

No.	Pub. Year	Citations	File Name	File Size (bytes)
3	1963-1964	749	RADBIB03.TXT	750,592

The search criteria was for radiation or radiological for publication year greater than 1962 and less than 1965.

The document database four character field names and a descriptor for each field are as follows:

ABS	Abstract
ACCD	Accession Date
ADNO	DTIC Number
AUTH	Author(s)
CCDE	Computer Code(s)
CLSS	Classification
CONN	Contract Number
CORP	Corporation
DATE	Report Date
DESC	Descriptor(s)
EFFT	Damage Mechanism
EMPF	Electro Magnetic Pulse File number(s)
HESO	High Explosive Shot(s)
INUM	Item Number
LA	Country or Language
PROJ	Project Number
REPN	Report Number
SHOT	Nuclear Test(s)
SUCE	Device Designation
SUJO	DASIAC Subject number(s)
SYMJ	Published in
SYST	System Affected
TEMP	Document Control number(s)
TITL	Report Title
TNFF	Tactical Nuclear Warfare
TREE	Transient Radiation Effects on Electronics number(s)
TSHO	Shot Type

Defense Threat Reduction Agency Declassification Review EO 12958	
1st REVIEW DATE <u>22 Feb 2000</u>	Classification (Code Numbers)
AUTHORITY <input type="checkbox"/> DACC <input type="checkbox"/> DEC <input checked="" type="checkbox"/> ADD	1. Classification Remains Unchanged
NAME <u>[Signature]</u>	2. Classification Changed to <u>U1 C2 P55</u> *
2nd REVIEW DATE <u>22 Feb 2000</u>	3. Contains No DTRA Classified Info
AUTHORITY <input type="checkbox"/> DACC <input type="checkbox"/> DEC <input checked="" type="checkbox"/> ADD	4. Coordinate With
NAME <u>[Signature]</u>	5. Exempt From Declassification
6. Exemptions 1 2 3 4 5 6 7 8 9	

* WITH DELETIONS

Statement A
 Approved for public release*
 Distribution unlimited. 22 Feb 2000
 *THIS VERSION ONLY.
[Signature]

.folddata

Report Log for Bibliography

Report 'bibliography' scheduled as 'radbib'

Bibliography using full text searching with selection qualification.

STILAS text selection v6.2 started on Monday, June 13, 1994, 9:34 AM

Search will use the KUNI database

Search strings will be read from standard input

The catalog key will be written to standard output

19940613093449 BRS/Search-Engine v.5 started for seltext1

11379 records found for #1: RADIATION OR RADIOLOGICAL

1 searches considered

1 searches selected.

STILAS text selection finished on Monday, June 13, 1994, 9:38 AM

STILAS catalog selection v6.2 started on Monday, June 13, 1994, 9:34 AM

Catalog key will be read from standard input

The catalog key will be written to standard output

The author key will be written to standard output

The title key will be written to standard output

Catalog will be selected if year_of_pub is more than 1962 and less than 1965

11379 catalog record(s) considered

749 catalog record(s) selected.

STILAS catalog selection finished on Monday, June 13, 1994, 9:39 AM

STILAS call number selection v6.2 started on Monday, June 13, 1994, 9:34 AM

Catalog key will be read from standard input

The callnum primary key will be written to standard output

The shelving key will be written to standard output

String from standard input will be written to standard output

Call number will be selected if library is DOCUMENT

749 callnum record(s) considered

749 callnum record(s) selected.

STILAS call number selection finished on Monday, June 13, 1994, 9:39 AM

STILAS item selection v6.2 started on Monday, June 13, 1994, 9:34 AM

Item file will be read by callnum key from standard input

The item primary key will be written to standard output

String from standard input will be written to standard output

749 item record(s) considered

749 item record(s) selected.

STILAS item selection finished on Monday, June 13, 1994, 9:39 AM

Sort: sorting by CALL NUMBER

STILAS item printing v6.2 started on Monday, June 13, 1994, 9:34 AM

Catalog key will be read from standard input

The print will be a catalog level shelflist

The MARC tags will be written to standard output

The call number only will be written to standard output

The item information will be written to standard output

The report title option will be used

749 catalog(s) printed.

0 catacnt(s) printed.

749 call number(s) printed.

749 item(s) printed.

0 itemacnt(s) printed.

STILAS item printing finished on Monday, June 13, 1994, 9:39 AM

.folddata

.report

.title

Bibliography

Produced Monday, June 13, 1994 at 9:34 AM

.end

INUM: 01455
ADNO: 401916
AUTH: DAVIS H.T.
CLSS: U
CORP: AIR FORCE/FLIGHT DYNAMICS LABORATORY (WRIGHT PATTERSON AFB-OHIO)
DATE: 6301
DESC: Nuclear Weapon Test safety L5
DESC: THERMAL CLOUDS TROPOSPHERIC OBSERVATION ; THEORY TABULAR
DESC: Nuclear Weapon Environment Thermal Output source strength total
intensity L1
DESC: Nuclear Weapon Effects flight systems airplanes L1
REPN: ASD TDR 62 883
TSHO: LOW-ALT
SUJO: 1-210-000 ; 3-111-000 ; 4-856-000
TITL: TECHNIQUE FOR PREDICTING THERMAL RADIATION LOADS IN THE VICINITY OF
A NUCLEAR DETONATION THAT OCCURS BENEATH A CLOUD OVERCAST (U), 108 P
(U)

.block

01455

.endblock

.block

copy: 1 id: 38139-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01460
AUTH: SELIGA T.A. ; VOGT R.W.
CLSS: U
CONN: AF 19604 8012
CORP: IONOSPHERE RESEARCH LABORATORY (UNIVERSITY PARK-PA)
DATE: 6300
DESC: radio microwave propagation in the ionosphere L1 ROCKET
INSTRUMENTATION AC CONDUCTIVITY
DESC: Magnetic Fields Electric Currents in the Upper Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L1 LONG WAVE PROPAGATION
REPN: AFCRL 63 447
SUJO: 5-730-000 ; 5-800-000
TITL: ROCKET INSTRUMENTATION FOR THE MEASUREMENT OF AC CONDUCTIVITY WITH A
CAPACITIVE PROBE, AND LONG WAVE PROPAGATION IN THE LOWER IONOSPHERE
(U), 58 P., (U)

.block

01460

.endblock

.block

copy: 1 id: 38141-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01472
AUTH: LEONARD R.S.
CLSS: S 1
CORP: STANFORD RESEARCH INSTITUTE (MENLO PARK-CA)
DATE: 6304
DESC: THEORY
DESC: Magnetic Fields Electric Currents in the Upper Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L1
REPN: SRI 3 811
SHOT: STARFISH ; CHECKMATE ; KINGFISH
SUJO: 5-800-000
TEMP: 31618
TTTL: METHOD OF SELECTING AN EARTH'S MAGNETIC FIELD MODEL (U), 12 P (S)

.block

01472

.endblock

.block

copy: 1 id: 38149-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01493
ADNO: 481846
AUTH: RUSSWURM G.
CLSS: S 1
CONN: NONR 4055 (00)
CORP: GEOPHYSICS CORPORATION OF AMERICA (BEDFORD-MA)
DATE: 6305
DESC: DELTA GAMMA ; SOUTHERN CONJUGATE ; EXPERIMENTAL
DESC: Nuclear Test Simulation Field Programs experiment design optical
radiation experiments UV visible IR L5
DESC: Nuclear Weapon Phenomenology High-Altitude induced airglow
fluorescence L1
REPN: GCA 63 2 G
SHOT: RUSSIAN (62-10-22) ; RUSSIAN (28 OCTOBER 1962) ; RUSSIAN (62-11-01)
SUJO: 2-214-000 ; 4-820-600
TEMP: 31795
TTTL: PROJECT DELTA GAMMA, FINAL REPORT (U), 14 P (S) TEXAS, CIRCA 60 P
(U)

.block

01493

.endblock

.block

copy: 1 id: 38159-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01506-1
CLSS: SRD 1
CORP: DEFENSE ATOMIC SUPPORT AGENCY (WASHINGTON-DC)

DATE: 6304
DESC: SURVEY
DESC: Nuclear Weapon Effects electronic pieceparts L1 TREE
REPN: DASA 71438
SUJO: 3-220-000
TEMP: 33081 V1
TITL: TREE (TRANSIENT RADIATION EFFECTS ON ELECTRONICS SYMPOSIUM, 29 APRIL
3 MAY 1963, INTRODUCTION, VOLUME 2 (U), 318 P (SRD)
TREE: 300

.block
01506-1
.endblock

.block
copy: 1 id: 38167-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 01506-2
CLSS: SRD 1
CORP: DEFENSE ATOMIC SUPPORT AGENC(WASHINGTON-DC)
DATE: 6304
DESC: Simulation Facilities Techniques TREE L1
DESC: test instruments nuclear radiation L1
DESC: Nuclear Weapon Effects electronic subsystems L1
REPN: DASA 71438
SUJO: 3-210-000 ; 4-272-000 ; 4-340-000
TEMP: 33081 V2
TITL: TREE (TRANSIENT RADIATION EFFECTS ON ELECTRONICS SYMPOSIUM, 29 APRIL
3 MAY 1963, INTRODUCTION, VOLUME 2 (U), 318 P (SRD)
TREE: 300

.block
01506-2
.endblock

.block
copy: 1 id: 38168-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 01506V1091
AUTH: ROGERS S.C.
CLSS: SRD 1
CORP: SANDIA CORP (ALBUQUERQUE-NM)
DATE: 6304
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TREE
DESC: THEORY
SUJO: 3-221-000
SYMJ: TREE SYMPOSIUM, VOLUME 1, APRIL MAY 1963
TITL: DIODE AND TRANSISTOR PERMANENT DAMAGE AND TRANSIENT RESPONSE TO
NUCLEAR RADIATION (U), 21P (SRD)
TREE: 310

.block

01506V1091

.endblock

.block

copy: 1 id: 38169-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01506V1129

AUTH: CONRAD E.E. ; MAIER L. ; DICKINSON

CLSS: SRD 1

CORP: HARRY DIAMOND LAB (WASHINGTON-DC) ; LOS ALAMOS SCIENTIFIC LAB (LOS ALAMOS-NM) ; LAWRENCE RADIATION LAB (LIVERMORE-CA)

DATE: 6304

DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 TREE
EMP

DESC: SURVEY

SUJO: 3-231-000

SYMJ: TREE SYMPOSIUM, VOLUME 1, APRIL MAY 1963.

TITL: EFFECTS OF PULSED NUCLEAR RADIATION ON CABLES (U), 17 P SRD)

TREE: 390

.block

01506V1129

.endblock

.block

copy: 1 id: 38171-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01506V1159

AUTH: SNYDER A.W.

CLSS: SRD 1

CORP: SANDIA CORP (ALBUQUERQUE-NM)

DATE: 6304

DESC: SURVEY

DESC: Simulation Facilities Techniques nuclear radiation reactors isotopic
sources L1

DESC: Simulation Facilities Techniques TREE L1

SUJO: 4-241-000 ; 4-272-000

SYMJ: TREE SYMPOSIUM, VOLUME 1, MAY 1963

TITL: PULSED RADIATION SOURCES FOR STUDIES OF RADIATION EFFECTS IN
ELECTRONICS (U), 23 P (SRD)

TREE: 642

.block

01506V1159

.endblock

.block

copy: 1 id: 38172-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01506V2011

AUTH: LONG R.L. ; COLE W.M. ; BOOR R.A.
CLSS: SRD 1
CORP: WHITE SANDS MISSILE RANGE (WHITE SANDS-NM)
DATE: 6304
DESC: SUMMAY
DESC: Simulation Facilities Techniques nuclear radiation reactors isotopic
sources L1

SUJO: 4-241-000
SYMJ: TREE SYMPOSIUM, VOLUME 2, MAY 1963
TITL: WSMR BARE CRITICAL ASSEMBLY (U), 21 P (SRD)
TREE: 642

.block

01506V2011

.endblock

.block

copy: 1 id: 38173-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01506V2141
AUTH: SCHEIWE J.P. ; HARRISON G.R.
CLSS: SRD 1
CONN: DA 36 039 SC 89113
CORP: SPERRY MICROWAVE ELECTRONICS (CLEARWATER-FL)
DATE: 6304
DESC: SUMMARY
DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 TREE
CABLES AND WAVEGUIDES

SUJO: 3-231-000
SYMJ: TREE SYMPOSIUM, VOLUME 2, MAY 1963
TITL: PULSED NUCLEAR RADIATION EFFECTS ON ACTIVE MICROWAVE COAXIAL AND
RECTANGULAR WAVEGUIDES (U), 175 P (SRD)

TREE: 386

.block

01506V2141

.endblock

.block

copy: 1 id: 38176-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01571
AUTH: LUEHR C.P. ; HENDRICK R.W.
CLSS: U
CCDE: MAGNETIC FIELD LINE
CONN: DA 49 146 XZ 038
CORP: GENERAL ELECTRIC COMPANY/TEMPO (SANTA BARBARA-CA)
DATE: 6306
DESC: CODE
DESC: Magnetic Fields Electric Currents in the Upper Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L1 JOHNSTON ISLAND PLOT
REPN: RM 63 TMP 15

SUJO: 5-800-000
TITL: SIGHTING ANGLES AND THE GEOMAGNETIC FIELD, A FORTRAN II COMPUTER
PROGRAM, (U),19 P, (U)

.block

01571

.endblock

.block

copy: 1 id: 38203-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01631
ADNO: 405041
AUTH: MARCUM J.I.
CLSS: U
CCDE: RAND MONTE CARLO NEUTRON TRANSPORT CODE
CONN: AF 49 638 700
CORP: RAND CORPORATION (SANTA MONICA-CA)
DATE: 6304
DESC: Nuclear Weapon Effects on animals ionizing radiation prompt L1
NEUTRON RBE
DESC: Cross Sections neutron L1 NON CO-ALTITUDE
DESC: SIMULATION (COMPUTER) ; EXPERIMENTAL
REPN: RM 3531 PR
TSHO: HI-ALT
SUJO: 3-312-100 ; 9-820-000
TITL: MONTE CARLO CALCULATIONS OF THE TRANSPORT OF 14 MEV NEUTRONS IN THE
ATMOSPHERE(U), MEMORANDUM, CIRCA 120 P, (U)
TREE: 970

.block

01631

.endblock

.block

copy: 1 id: 38232-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01639
ADNO: 404590
AUTH: PASSELL T.O.
CLSS: U
CONN: OCD OS 62 135
CORP: STANFORD RESEARCH INSTITUTE (MENLO PARK-CA)
DATE: 6304
DESC: Absorption Spectrum Transmission Opacity of Natural Heated Air L1
ATMOSPHERIC TRANSMISSION
DESC: SUMMARY BIBLIOGRAPHY
DESC: Radiation Transport thermal L1 AIR
REPN: SRI IMU 4021 302
TSHO: HI-ALT
SUJO: 5-200-000 ; 9-610-000
TITL: TRANSMISSION BY THE EARTH'S ATMOSPHERE OF THERMAL ENERGY FROM

NUCLEAR DETONATIONS ABOVE 50-KM ALTITUDE (U), TECHNICAL REPORT, 56
P, (U)

.block

01639

.endblock

.block

copy: 1 id: 38235-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01640

ADNO: 404028

AUTH: MILLER R.I. ; PASSELL T.O.

CLSS: U

CONN: OCD OS 62 135

CORP: STANFORD RESEARCH INSTITUTE (MENLO PARK-CA)

DATE: 6304

DESC: Radiation Transport x-ray L1 AIR

DESC: THEORY

DESC: Radiation Transport thermal L1 AIR

DESC: Absorption Spectrum Transmission Opacity of Natural Heated Air L1

REPN: SRI IMU 4021 302

TSHO: HI-ALT

SUJO: 5-200-000 ; 9-610-000 ; 9-640-000

TITL: RADIATIVE ENERGY TRANSFER FROM NUCLEAR DETONATIONS ABOVE 50-KM
ALTITUDE (U), TECHNICAL REPORT, 60 P, (U)

TREE: 980

.block

01640

.endblock

.block

copy: 1 id: 38236-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01653

AUTH: WICKLEIN H.W. ; CALDWELL R.S. ; FIRMINHAC R.H. ; ROSENBERG C. ;
DICKHAUT R.H. ; LOWREY A.R.

CLSS: U

CCDE: ZZ (EQUIVALENT CIRCUITS, DIODES, TRANSISTORS, CAPACITORS, RESISTORS)

CONN: AF 29 601 5238

CORP: BOEING COMPANY (SEATTLE-WA)

DATE: 6307

DESC: Nuclear Weapon Effects electronic subsystems L1 EMP SIMULATION

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors

vacuum tubes dielectrics relays switches L1 EMP SIMULATION

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes

silicon-controlled rectifiers L1 EMP SIMULATION

DESC: CODE THEORY EXPERIMENTAL

REPN: RTD TDR 63 3007

SUJO: 3-210-000 ; 3-221-000 ; 3-229-000

TEMP: 35215

TITL: ANALYTICAL METHODS FOR PREDICTING TRANSIENT NUCLEAR RADIATION
EFFECTS ON ELECTRONIC CIRCUITS AND DEVICES (U), TECHNICAL
DOCUMENTARY REPORT, 243 P, (U)

.block

01653

.endblock

.block

copy: 1 id: 38244-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01653-SUP

AUTH: WICKLEIN H.W. ; CALDWELL R.S. ; FIRMINHAC R.H. ; ROSENBERG C. ;
DICKHAUT R.H. ; LOWREY A.R.

CLSS: SRD

CONN: AF 29 601 5238

CORP: BOEING COMPANY (SEATTLE-WA)

DATE: 6307

DESC: EXPERIMENTAL TABULAR SUMMARY

DESC: Nuclear Weapon Effects electronic subsystems analysis circuit
network L1 TREE

DESC: Nuclear Weapon Effects electronic pieceparts solar cells L1 TREE

DESC: Nuclear Weapon Environment Prompt Neutron source strength total
fluence L1

DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse width L1

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TREE

REPN: RTD TDR 63 3007 SUPPL.

SHOT: SMALL BOY

TSHO: SURFACE

SUJO: 1-110-000 ; 1-740-000 ; 3-219-000 ; 3-221-000 ; 3-223-000

TEMP: 35215

TITL: ANALYTICAL METHODS FOR PREDICTING TRANSIENT NUCLEAR RADIATION
EFFECTS ON ELECTRONIC CIRCUITS AND DEVICES (U), TECHNICAL
DOCUMENTARY REPORT, 26 P, (SRD)

TREE: 300

.block

01653-SUP

.endblock

.block

copy: 1 id: 38245-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01678

AUTH: MAR B.W.

CLSS: SRD

CORP: BOEING COMPANY (SEATTLE-WA)

DATE: 6301

DESC: CLOSE IN OBSERVATION INTERMEDIATE RANGE OBSERVATION ; SUMMARY

DESC: Nuclear Weapon Environment Initial Gamma source strength total
intensity L1

DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse width L9
P20 SMALL BOY
REPN: D 2 90365
SHOT: SMALL BOY
TSHO: SURFACE
SUJO: 1-710-000 ; 1-740-000
TEMP: 35364
TITL: TIME BEHAVIOR OF THE EARLY GAMMA RADIATION FROM SURFACE CONTACT
NUCLEAR WEAPON DETONATIONS (U), 20 P, (SRD)
TREE: 910

.block
01678
.endblock

.block
copy: 1 id: 38254-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 01685
AUTH: WELCH J.A.
CLSS: C
CONN: AF 49 638 700
CORP: RAND CORPORATION (SANTA MONICA-CA)
DATE: 6307
DESC: THEORY
DESC: Nuclear Warfare Strategic operations scenarios L1
REPN: RM 3743 PR
TSHO: HI-ALT
SUJO: 3-421-000
TEMP: 35399
TITL: POLITICAL ASPECTS OF ARTIFICIAL RADIATION BELTS (U), MEMORANDUM, 7
P, (C)

.block
01685
.endblock

.block
copy: 1 id: 38257-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 01686
AUTH: DOLE S.H. ; DUGAS D.J.
CLSS: U
CONN: AF 49 638 700
CORP: RAND CORPORATION (SANTA MONICA-CA)
DATE: 6306
DESC: Nuclear Weapon Effects space systems L5 MAGNETICALLY TRAPPED DEBRIS
DESC: Nuclear Warfare Strategic systems space L1
REPN: RM 3427 PR
SUJO: 3-114-000 ; 3-423-600
TEMP: 35398
TITL: ARTIFICIAL RADIATION BELTS AND MANNED MILITARY SATELLITES (U),

MEMORANDUM, 17 P, (C)

.block

01686

.endblock

.block

copy: 1 id: 38258-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01728

ADNO: 407066

AUTH: CROCKER G.R.

CLSS: U

CORP: NAVY/RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)

DATE: 6304

DESC: THEORY

DESC: Nuclear Weapon Environment fallout fractionation L1 U 238

REPN: USNRDL TR 642

SUJO: 2-223-500

TITL: ESTIMATES OF FISSION PRODUCT YIELDS OF A THERMONUCLEAR EXPLOSION
(U), 18 P, (U)

.block

01728

.endblock

.block

copy: 1 id: 38307-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01734

AUTH: COLGATE S.A.

CLSS: U

CONN: W 7405 ENG 48

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)

DATE: 6302

DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1

DESC: THEORY

DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise Rates L1

REPN: UCRL 7224 REV 1

TSHO: HI-ALT

SUJO: 2-110-000 ; 2-211-000

TITL: PHENOMENOLOGY OF THE MASS MOTION OF A HIGH ALTITUDE NUCLEAR
EXPLOSION (U) 27 P, (U)

.block

01734

.endblock

.block

copy: 1 id: 38309-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01744
AUTH: PANNELL J.H. ; BALSER M. ; HARRIS P.J.
CLSS: SRD 1
CONN: AF 19 628 500
CORP: LINCOLN LABORATORY (LEXINGTON-MA)
DATE: 6310
DESC: Nuclear Weapon Environment Induced Fireball Thermal Noise Antenna
Excess Temperature L1
DESC: Nuclear Test Simulation Field Programs experiment design atmospheric
ionization RF propagation noise L5
DESC: Nuclear Weapon Environment Induced Synchrotron Noise L1 VHF
DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise Rates L9 P39
KINGFISH ONLY
DESC: PALMYRA IS ; EXPERIMENTAL
REPN: TECH REPORT 327
PROJ: 7.2
SHOT: STARFISH ; KINGFISH
TSHO: HI-ALT
SUJO: 2-110-000 ; 2-410-000 ; 2-420-000 ; 4-823-000
TEMP: 35835
TITL: SYNCHROTRON RADIATION FROM HIGH-ALTITUDE NUCLEAR DETONATIONS (U), 41
P, (SRD)

.block

01744

.endblock

.block

copy: 1 id: 38313-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01745
ADNO: 345082
AUTH: MCADORY J.L. ; STEFFEY C.A.
CLSS: SRD 1
CCDE: ZZ (TRAPPED RADIATION)
CORP: AIR FORCE/SYSTEMS COMMAND (WASHINGTON-DC)
DATE: 6309
DESC: Nuclear Weapon Effects space systems L5
DESC: Cross Sections neutron L1
DESC: Nuclear weapon test yield L9 P 11-3 ARGUS
DESC: Nuclear Weapon Effects on animals ionizing radiation L1
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1
DESC: SIMULATION (PULSED REACTOR) ; HANDBOOK
DESC: Nuclear Weapon Phenomenology High-Altitude injection trapping L1
DESC: Magnetic Fields Electric Currents in the Upper Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L1
DESC: Nuclear Weapon Phenomenology Atmospheric Ionization Chemistry
general descriptions L1
DESC: Plasma Physics MHD fusion L1
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1
DESC: Cross Sections gamma L1

DESC: Nuclear Weapon Effects materials plastics resins L1
DESC: Cross Sections x-ray L1
DESC: Nuclear Weapon Effects materials wood paper cellulose films L1
PHOTOGRAPHIC FILM
REPN: SSD TDR 63 244 ; SSTA 432
SHOT: STARFISH
SUJO: 2-212-000 ; 2-217-000 ; 2-311-000 ; 3-114-000 ; 3-221-000 ;
3-244-000 ; 3-246-000 ; 3-312-000 ; 4-835-000 ; 5-800-000 ;
9-500-000 ; 9-820-000 ; 9-830-000 ; 9-840-000
TEMP: 35840
TITL: EFFECT OF CHARGED PARTICLE ENVIRONMENTS ON MILITARY SPACE FLIGHT (U)

.block
01745
.endblock
.block

copy: 1 id: 38314-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 01749
CLSS: U
CORP: INTERNATIONAL BUSINESS MACHINES CORPORATION (OWEGO-NY)
DATE: 6310
DESC: Nuclear RDT&E Research Program Descriptions fallout nuclear
radiation transport L5
DESC: Nuclear Weapon Effects electronic subsystems analysis circuit
network L5
DESC: SIMULATION (PULSE REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic subsystems computers memory L1
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L5
REPN: RTD TDR 63 3051
SUJO: 3-212-000 ; 3-219-000 ; 3-221-000 ; 4-140-000
TITL: PULSED RADIATION EFFECTS ON AEROSPACE DIGITAL COMPUTERS (U), 209 P,
(U)
TREE: 341

.block
01749
.endblock
.block

copy: 1 id: 38317-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 01749SUPP
ADNO: 345333
CLSS: C
CONN: AF 29 601 5399
CORP: INTERNATIONAL BUSINESS MACHINES CORPORATION (OWEGO-NY)
DATE: 6310
DESC: Nuclear Weapon Effects electronic subsystems computers memory L1
TREE

DESC: TITAN II SIMULATION (PULSED REACTOR)
DESC: Nuclear Weapon Effects electronic subsystems guidance control L1
TREE
REPN: RTD TDR 63 3051 SUPPL
SUJO: 3-211-000 ; 3-212-000
TEMP: 45734
TITL: PULSED RADIATION EFFECTS ON AEROSPACE DIGITAL COMPUTERS (U), 81 P,
(S)

TREE: 341

.block

01749SUPP

.endblock

.block

copy: 1 id: 38318-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01752

ADNO: 407307

AUTH: STEVENSON G.T.

CLSS: U

CORP: NAVY/ORDNANCE TEST STATION (CHINA LAKE-CA)

DATE: 6305

DESC: TABULAR

DESC: equation of state heat of vaporization thermal conductivity opacity

L1

REPN: NAVWEPS 7621

SUJO: 9-710-000

TITL: BLACK-BODY RADIATION FUNCTIONS (U), 116 P, (U)

.block

01752

.endblock

.block

copy: 1 id: 38321-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01767

AUTH: GRIFFIN J.

CLSS: U

CONN: W 7405 ENG 36

CORP: LOS ALAMOS SCIENTIFIC LABORATORY (LOS ALAMOS-NM)

DATE: 6302

DESC: Orbital Mechanics L1

DESC: Nuclear Weapon Environment radiation decay beta decay L1

DESC: THEORY

REPN: LA 2811

SUJO: 2-223-430 ; 9-100-000

TITL: BETA DECAYS AND DELAYED GAMMAS FROM FISSION FRAGMENTS (U), 48 P (U)

.block

01767

.endblock

.block

copy: 1 id: 38331-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01767A1
AUTH: GRIFFIN J.J.
CLSS: U
CONN: W 7405 ENG 36
CORP: LOS ALAMOS SCIENTIFIC LABORATORY (LOS ALAMOS-NM)
DATE: 6401
DESC: THEORY
DESC: Orbital Mechanics L1
DESC: Nuclear Weapon Environment radiation decay gamma decay L1
REPN: LA 2811 ADDENDUM
SUJO: 2-223-420 ; 9-100-000
TTTL: OTHER DETAILS OF POST-FISSION BETA DECAY, (U), 32 P (U)

.block

01767A1

.endblock

.block

copy: 1 id: 38332-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01767A2
AUTH: GRIFFIN J.J.
CLSS: U
CONN: W 7405 ENG 36
CORP: LOS ALAMOS SCIENTIFIC LABORATORY (LOS ALAMOS-NM)
DATE: 6406
DESC: Nuclear Weapon Environment radiation decay gamma decay L1
DESC: THEORY
DESC: Orbital Mechanics L1
REPN: LA 2811 ADDENDUM 2
SUJO: 2-223-420 ; 9-100-000
TTTL: RE-EVALUATION OF OPTIMAL PARAMETERS FOR POST-FISSION BETA DECAY (U),
30 P (U)

.block

01767A2

.endblock

.block

copy: 1 id: 38333-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01772
AUTH: VENEZIAN G.
CLSS: U
CONN: NOR 220 28
CORP: CALIFORNIA INSTITUTE OF TECHNOLOGY (PASADENA-CA)

DATE: 6306
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse EMP L1
DESC: THEORY
REPN: 85 25
TSHO: HI-ALT
SUJO: 2-211-000 ; 2-510-000
TITL: RADIATION DUE TO THE RADIAL MOTION OF A CONDUCTING SPHERE IN A
MAGNETIC FIELD (U 46 P (U)

.block

01772

.endblock

.block

copy: 1 id: 38336-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01805
AUTH: ALDERMAN J.O. ; LUCKE D.L. ; ROBISON C.H.
CLSS: SRD
CORP: AIR FORCE/SYSTEMS COMMAND (KIRTLAND AFB-NM)
DATE: 6302
DESC: Nuclear Weapon Environment Prompt Neutron source strength total
fluence L9 P 5
DESC: SUMMARY
DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse width L9 P
6-9
DESC: Nuclear Test Simulation Field Programs concepts capability
philosophy L1
DESC: Nuclear Weapon Environment Initial Gamma source strength total
intensity L9 P 4
REPN: AFSWC TDR 63 13 ; SWC TDR 63 13
SHOT: SLEIGH RIDE
TSHO: HI-ALT
SUJO: 1-110-000 ; 1-710-000 ; 1-740-000 ; 4-810-000
TEMP: 37326
TITL: NUCLEAR RADIATION ENVIRONMENTAL PREDICTIONS FOR SLEIGH RIDE (U),
TECHNICAL DOCUMENTARY REPORT, 11 P, (SRD)

.block

01805

.endblock

.block

copy: 1 id: 38358-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01828
ADNO: 363030
AUTH: CONTRERAS L.M. ; MAR B.W. ; MOSHOFSKY P.
CLSS: SRD 1
CCDE: CLOSE 1

CONN: AF 601 4572
CORP: BOEING COMPANY (SEATTLE-WA)
DATE: 6302
DESC: Nuclear Weapon Environment X-ray Output rate L1
DESC: CODE
DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse width L1
DESC: Nuclear Weapon Environment Prompt Neutron dose rate pulse width L1
REPN: SWC TDR 62 130 ; AFSWC TDR 62 130 VOL 2
TSHO: SURFACE
SUJO: 1-140-000 ; 1-640-000 ; 1-740-000
TEMP: 37463
TITL: STUDY OF RADIATION PHENOMENA FROM NUCLEAR WEAPONS AT CLOSE-IN
DISTANCES VOLUME2, (U), 198 P (SRD)

TREE: 900

.block

01828

.endblock

.block

copy: 1 id: 38372-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01828V1

ADNO: 363029

AUTH: CONTRERAS L.M. ; MAR B.W. ; MOSHOFSKY P.

CLSS: SRD 1

CCDE: CLOSE 2

CONN: AF 29 601 4572

CORP: BOEING COMPANY (SEATTLE-WA)

DATE: 6302

DESC: Radiation Transport neutron L1

DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse width L1

DESC: Radiation Transport gamma L1

DESC: Nuclear Weapon Environment Fallout beta intensities L1

DESC: Nuclear Weapon Environment X-ray Output rate L1

DESC: THEORY TABULAR

DESC: Nuclear Weapon Phenomenology cloud development rise L5

DESC: Nuclear Weapon Environment Fallout gamma intensities spectra L1

DESC: Nuclear Weapon Environment Prompt Neutron dose rate pulse width L1

REPN: AFSWC TDR 62 130 VOL 1 ; SWC TDR 62 130 VOL 1

SUJO: 1-140-000 ; 1-640-000 ; 1-740-000 ; 2-223-200 ; 2-223-300 ;

2-224-100 ; 9-620-000 ; 9-650-000

TEMP: 37463

TITL: STUDY OF RADIATION PHENOMENA FROM NUCLEAR WEAPONS AT CLOSE-IN
DISTANCES (U) 322 P (SRD)

TREE: 900

.block

01828V1

.endblock

.block

copy: 1 id: 38373-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01871
CLSS: SRD
CORP: BALLISTIC MISSILE SYSTEMS DIVISION (SAN BERNARDINO-CA)
DATE: 6305
DESC: Cross Sections gamma L5
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse EMP L5
DESC: Nuclear Weapon Environment Airblast dynamic pressure PRESSURE.L5
DESC: WS 133B ; TABULAR
DESC: Nuclear Weapon Environment Ground Shock velocity arrival time
spectrum duration L5 SPECTRA
DESC: RF EMP shielding protection L5
DESC: Cross Sections neutron L5
DESC: Nuclear Weapon Environment Airblast static overpressure
OVERPRESSURE.L5
DESC: Nuclear Weapon Effects structures hard launch sites structures L1
THREAT CRITERIA EMP NUCLEAR RADIATION SHOCK AIR BLAST
EMPF: 460 ; 365
REPN: 6121 1542 TA 000 ; AFBSD 62 83
SUJO: 2-510-000 ; 2-611-000 ; 2-612-000 ; 2-622-000 ; 3-116-100 ;
9-810-000 ; 9-820-000 ; 9-830-000
SYST: MINUTEMAN LAUNCH FACILITY
TEMP: 37620
TITL: NUCLEAR WEAPONS EFFECTS CRITERIA (U), 59 P, (SRD)

.block

01871

.endblock

.block

copy: 1 id: 38408-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01876
ADNO: 458237
AUTH: CHUBB T.A. ; SMATHERS H.W.
CLSS: U
CORP: E.O. HULBURT CENTER FOR SPACE RESEARCH
DATE: 6310
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra L5
DESC: EXTRA STRATOSPHERIC OBSERVATION
DESC: Nuclear Weapon Environment Fallout beta intensities L5
DESC: Nuclear Weapon Phenomenology Atmospheric Ionization Chemistry
general descriptions L1
REPN: NRL 1463
SHOT: STARFISH
TSHO: HI-ALT
SUJO: 2-223-200 ; 2-223-300 ; 2-311-000
TITL: PRELIMINARY REPORT ON THE NRL 1963 RADIATION DOSIMETER EXPERIMENT
FLOWN IN SATELLITE 1963 21D (U), 15 P, (U)

.block

01876

.endblock

.block

copy: 1 id: 38413-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01882
ADNO: 430122
AUTH: VAN LINT V.A.J. ; HORIYE H. ; NICHOLS D.K. ; POLL R.A. ; ROOS B.W.
CLSS: U
CCDE: ZZ (TREE ON CIRCUITS)
CONN: AF 29 601 5685
CORP: GENERAL ATOMIC DIVISION/GENERAL DYNAMICS CORPORATION (SAN DIEGO-CA)
DATE: 6401
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 TREE VACUUM TUBES
DESC: SIMULATION (ELECTRON BEAM) TREE EMP ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TREE
DESC: Nuclear RDT&E Research Program Descriptions electronic vulnerability
L1
DESC: Simulation Facilities Techniques TREE L5 LINAC
REPN: RTD TDR 63 3110
SUJO: 3-221-000 ; 3-229-000 ; 4-170-000 ; 4-272-000
TITL: EFFECTS OF PULSED GAMMA RADIATION ON DYNAMIC ELECTRONIC COMPONENTS
FINAL REPORT (U), 213 P, (U)
TREE: 310

.block

01882

.endblock

.block

copy: 1 id: 38416-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01912
AUTH: JENKINS R.J.
CLSS: SRD 1
CORP: NAVY RESEARCH DEVELOPMENT LABORATORY (SAN FRANCISCO-CA)
DATE: 6402
DESC: Nuclear Test Simulation Field Programs experiment design thermal L1
REPN: 0024941
PROJ: 8.3A
SUJO: 4-820-700
TEMP: 37843
TITL: SPECTRAL DISTRIBUTION OF THERMAL RADIATION WITH HIGH TIME RESOLUTION
, OPERATION BLUE ROCK, (U), 28 P, (SRD)

.block

01912

.endblock

.block

copy: 1 id: 38450-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 01916
AUTH: DERKSEN W.L.
CLSS: S
CORP: NAVY/NAVAL APPLIED SCIENCE LABORATORY (BROOKLYN-NY)
DATE: 6402
DESC: Nuclear Test Simulation Field Programs experiment design thermal L1
REPN: SMKOR 64 90
PROJ: 4.1
SUJO: 4-820-700
TEMP: 37833
TITL: OPERATION BLUE ROCK THERMAL RADIATION MEASUREMENTS, PROJECT 4.1,
THERMAL RADIATION MEASUREMENTS FOR FLASH BLINDNESS FROM NUCLEAR
WEAPONS (U), (C) 23 P, (U)

.block
01916
.endblock

.block
copy: 1 id: 38455-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 01952-1
AUTH: FOULKE K.W.
CLSS: U
CONN: AF 33 657 11646
CORP: LING TEMCO VOUGHT INCORPORATED (DALLAS-TX)
DATE: 6402
DESC: Nuclear Weapon Effects Communications Systems C4 hardware radio
microwave systems L1
DESC: Nuclear Weapon Effects electronic subsystems L1
DESC: TREE NUCLEAR RADIATION PERMANENT DAMAGE ; SURVEY
DESC: Nuclear Weapon Effects electronic pieceparts L1
REPN: RTD TDR 63 4287 VOL 1
SUJO: 3-132-000 ; 3-210-000 ; 3-220-000
TITL: STUDY OF NUCLEAR RADIATION EFFECTS ON TELEMETRY, VOLUME 1 (U), 315
P, (U)
TREE: 395

.block
01952-1
.endblock

.block
copy: 1 id: 38481-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 01952-2
AUTH: FOULKE K.W.
CLSS: U
CONN: AF 33 657 11646

CORP: LING TEMCO VOUGHT INCORPORATED (DALLAS-TX)
DATE: 6402
DESC: TREE NUCLEAR RADIATION PERMANENT DAMAGE ; TABULAR
DESC: Nuclear Weapon Effects electronic pieceparts L1
REPN: RTD TDR 63 4287 VOL 2
SUJO: 3-220-000
TITL: STUDY OF NUCLEAR RADIATION EFFECTS ON TELEMETRY, VOLUME II, NUCLEAR
RADIATION EFFECTS DESIGN ALLOWABLES (U), 292 P, (U)

TREE: 395

.block

01952-2

.endblock

.block

copy: 1 id: 38482-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01961

ADNO: 414 345

AUTH: BRODE H.L.

CLSS: U

CORP: RAND CORPORATION (SANTA MONICA-CA)

DATE: 6308

DESC: Nuclear Weapon Environment Thermal Output source strength total
intensity L1

DESC: Nuclear Weapon Phenomenology Fireball Energy Partition Energy
Coupling L1

DESC: Nuclear Weapon Phenomenology Fireball Internal Pressure Temperature
Density Particle Velocities L1

REPN: P 2745

TSHO: LOW-ALT

SUJO: 1-210-000 ; 2-130-000 ; 2-150-000

TITL: THERMAL RADIATION FROM NUCLEAR EXPLOSIONS, 22 P, (U)

.block

01961

.endblock

.block

copy: 1 id: 38491-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 01974

AUTH: NUSSDORFER T.J.

CLSS: SRD 1

CORP: GEOPHYSICS CORPORATION OF AMERICA (BEDFORD-MA)

DATE: 6402

DESC: Nuclear Test Simulation Field Programs experiment design optical
radiation experiments UV visible IR L1

REPN: GA 3201 64 164 ; DASA 77656

PROJ: 6.6

SUJO: 4-820-600

TEMP: 39167

TITL: EXPERIMENTAL AND REQUIREMENTS PLAN, PROJECT BLUE ROCK, PROJECT 6.6,
PLAN NUMBER 1 (U), CIRCA 60, (SRD)

.block

01974

.endblock

.block

copy: 1 id: 38499-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02015

AUTH: WEINER H.

CLSS: SRD 1

CORP: HARRY DIAMOND LABORATORIES (WASHINGTON-DC)

DATE: 6301

DESC: THEORY

DESC: Nuclear Weapon Phenomenology ionization mechanisms chemistry x-ray

L1

DESC: Radiation Transport x-ray L5

REPN: TR 1091

TSHO: HI-ALT

SUJO: 2-312-400 ; 9-640-000

TEMP: 39230

TITL: X-RAY INDUCED PRIMARY ELECTRON SPECTRUM (U), 29 P (SRD)

.block

02015

.endblock

.block

copy: 1 id: 38522-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02125

AUTH: MANRING E.R.

CLSS: SRD 1

CONN: AF33 600 42657

CORP: GEOPHYSICS CORPORATION OF AMERICA (BEDFORD-MA)

DATE: 6311

DESC: nuclear test detection atmospheric fluorescence detection L1

DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling

distribution energy spectrum L5

DESC: Absorption Spectrum Transmission Opacity of Natural Heated Air L5

DESC: Nuclear Test Simulation Field Programs experiment design

high-altitude debris L5

DESC: Nuclear Weapon Phenomenology High-Altitude debris resonance scatter

L1 LITHIUM

DESC: VELA ; WAKE I MIDWAY I JOHNSTON I FFS TUTUILA SHIP 1 SHIP 2 SHIP 4

DESC: Radiation Transport visible L5 AIR

DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling

distribution energy spectrum L5

REPN: GCA TR 63 16 A

SHOT: STARFISH ; CHECKMATE ; KINGFISH ; BLUEGILL ; TIGHTROPE

TSHO: HI-ALT
SUJO: 2-211-000 ; 2-212-000 ; 2-216-000 ; 4-822-000 ; 4-918-000 ;
5-200-000 ; 9-630-000
TEMP: 39461
TITL: NUCLEAR DEBRIS DETECTION BY RESONANCE SCATTERING OF SUNLIGHTPROJECT
VELA, FINAL REPORT (U), 336 P, (SRD)

.block
02125
.endblock
.block

copy: 1 id: 38606-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02126
AUTH: EVANS B.S. ; SHELTON F.H.
CLSS: SRD 1
CONN: AF 19 628 209
CORP: KAMAN NUCLEAR (COLORADO SPRINGS-CO)
DATE: 6403
DESC: Nuclear Weapon Environment Induced Geomagnetic Hydromagnetic
Perturbations L5
DESC: Nuclear Test Simulation Field Programs concepts capability
philosophy L5
DESC: Nuclear weapon test timing position firing data L5
DESC: STARAD SATELLITE EXPLORER XIV EXPLORER IV ; SUMMARY
DESC: Magnetic Fields Electric Currents in the Upper Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L5
DESC: Nuclear Weapon Phenomenology High-Altitude injection trapping L1
REPN: KN 674 64 10
SHOT: STARFISH ; KINGFISH ; BLUEGILL ; CHECKMATE ; TIGHTROPE ; TEAK ;
ORANGE ; YUCCA ; ARGUS I ; ARGUS II ; ARGUS III ; RUSSIAN (62-11-01)
; RUSSIAN (62-10-28) ; RUSSIAN (62-10-22) ; RUSSIAN (61-09-06) ;
RUSSIAN (61-10-06) ; RUSSIAN (61-10-27) ; RUSSIAN (61-10-21)
SUJO: 2-217-000 ; 2-530-000 ; 4-810-000 ; 4-834-000 ; 5-800-000
TEMP: 39458
TITL: REVIEW OF BETA TRAPPING PRODUCED BY SOME HIGH ALTITUDE NUCLEAR
EVENTS (U), 0 14 P, (SRD)

.block
02126
.endblock
.block

copy: 1 id: 38607-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02127
AUTH: MODESITT G.E.
CLSS: U
CONN: NASR 21
CORP: RAND CORPORATION (SANTA MONICA-CA)
DATE: 6304

DESC: Magnetic Fields Electric Currents in the Upper Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L5 ELECTRON BELT PROTON
BELT SOLAR FLARES
DESC: Nuclear Weapon Effects space systems L1 DEBRIS SIMULATION
DESC: SOLAR CELLS ; EXPERIMENTAL
DESC: Electromagnetic Theory Applications L5 ELECTRONS PROTONS
DESC: Nuclear RDT&E Research Program Descriptions fallout nuclear
radiation transport L5 NATURAL RADIATION
DESC: Shielding Protection L5 ELECTRONS PROTONS
REPN: RM 3486 NASA
SHOT: STARFISH
SUJO: 3-114-000 ; 4-140-000 ; 5-800-000 ; 9-300-000 ; 9-800-000
TITL: RADIATION DAMAGE IN SOLAR POWERED SATELLITES (U), 20 P, (U)

.block

02127

.endblock

.block

copy: 1 id: 38608-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02131
ADNO: 429404
AUTH: KARZAS W.J. ; LATTE R
CLSS: U
CONN: AF 49 638 700
CORP: RAND CORPORATION (SANTA MONICA-CA)
DATE: 6312
DESC: Nuclear Weapon Phenomenology Atmospheric Ionization Chemistry
general descriptions L1
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse EMP L1
DESC: Electromagnetic Theory Applications L1
DESC: GAMMA ; THEORY
DESC: Magnetic Fields Electric Currents in the Upper Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L1
REPN: RM 3884 PR
TSHO: LOW-ALT
SUJO: 2-311-000 ; 2-510-000 ; 5-800-000 ; 9-300-000
TITL: ELECTROMAGNETIC SIGNALS PRODUCED BY LOW ALTITUDE NUCLEAR EXPLOSIONS
(U), 27 P,(U (U), MEMORANDUM, 27 P, (U)

.block

02131

.endblock

.block

copy: 1 id: 38612-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02179
ADNO: 340334
AUTH: VANVOORHIS J.J. ; SOBOTTKE M.D. ; KRUE R C.W.
CLSS: SRD

CONN: AF 33 657 8395
CORP: NATIONAL CASH REGISTER COMPANY (DAYTON-OH)
DATE: 6307
DESC: Nuclear Weapon Environment Visible Output energy spectrum L1
DESC: Nuclear Test Simulation Field Programs experiment design optical
radiation experiments UV visible IR L1
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Ultraviolet Output energy spectrum L1
DESC: Nuclear Weapon Environment Visible Output rate L1
DESC: Nuclear Weapon Environment Visible Output source strength total
intensity L1
REPN: AMRL TDR 63 73
SHOT: TANANA ; NAMBE ; SWANEE ; ENCINO ; CALAMITY ; HARLEM ; CHAMA ; YESO
; HOUSATONIC ; STARFISH ; BLUEGILL ; CHECKMATE ; KINGFISH ;
TIGHTROPE
SUJO: 1-410-000 ; 1-420-000 ; 1-440-000 ; 1-520-000 ; 4-820-600
TEMP: 39703
TITL: NUCLEAR FLASH EARLY TIME HISTORIES OPERATION DOMINIC (U), 73 P, (S)

.block

02179

.endblock

.block

copy: 1 id: 38648-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02235
AUTH: COLGATE S.A.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6305
DESC: THEORY
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1
DESC: Nuclear Weapon Phenomenology Atmospheric Ionization Chemistry
general descriptions L5
REPN: UCRL 7224 REV II
TSHO: HI-ALT
SUJO: 2-211-000 ; 2-311-000
TITL: PHENOMENOLOGY OF THE MASS MOTION OF A HIGH ALTITUDE NUCLEAR
EXPLOSION (U), 32 P

.block

02235

.endblock

.block

copy: 1 id: 38693-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02259
CLSS: U

CORP: AIR FORCE/CAMBRIDGE RESEARCH LABORATORIES (HANSCOM FIELD-MA)
DATE: 6405
DESC: SUMMARY
DESC: Nuclear Test Simulation Field Programs experiment design optical
radiation experiments UV visible IR L1
REPN: DASA 79552
PROJ: 8A.2
TSHO: HI ALT
SUJO: 4-820-600
TEMP: 39895
TITL: IR BLACKOUT AND SKY BACKGROUND, OPERATION BLUEROCK, PROJECT 8A.2
(U), CI (C)

.block
02259
.endblock
.block

copy: 1 id: 38707-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02261
AUTH: BYATT W.J. ; SPARKS D.M.
CLSS: U
CCDE: ZZ (TIME DEPENDENT PHOTON TRANSPORT, FINITE THICKNESSES, PLANE AND
SPHERICAL COORDINATES USED IN CALCULATION, PHOTOELECTRIC EFFECT,
COMPTON) SCATTERING)

CONN: AF 29 601 5976
CORP: UNIVERSITY OF NEW MEXICO (ALBUQUERQUE-NM)
DATE: 6406
DESC: Radiation Transport gamma L5 CARBON
DESC: Nuclear Weapon Effects electronic subsystems L5 TREE
DESC: THEORY
REPN: AFWL TDR 64 37
SUJO: 3-210-000 ; 9-620-000
TITL: MONTE CARLO CODE FOR TRANSIENT RADIATION EFFECTS (U), 20 P, (U)
TREE: 980

.block
02261
.endblock
.block

copy: 1 id: 38709-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02284
AUTH: JEWELL L.D. ; SMITH R.E.W.
CLSS: SRD 1
CCDE: THISTLE
CORP: KAMAN NUCLEAR (COLORADO SPRINGS-CO)
DATE: 6305
DESC: Nuclear Weapon Environment Prompt Neutron source strength total
fluence L1

DESC: SIMULATION (COMPUTER) ; EXPERIMENTAL TABULAR
DESC: Radiation Transport neutron L1 AIR
REPN: KN 63 141 R
TSHO: LOW ALT
SUJO: 1-110-000 ; 9-650-000
TEMP: 41056
TITL: RESULTS OF A MONTE CARLO CALCULATION OF NEUTRON FLUX FROM A SOURCE
AT 30,000 FEET ALTITUDE (U), 23 P, (SRD)

TREE: 920

.block

02284

.endblock

.block

copy: 1 id: 38726-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02292

AUTH: MEYER L. ; CATES H.T. ; GRANNEMANN W.W.

CLSS: U

CONN: AF 29 601 5976

CORP: UNIVERSITY OF NEW MEXICO (ALBUQUERQUE-NM)

DATE: 6406

DESC: Nuclear Weapon Effects electronic pieceparts measuring devices
sensors detectors L5 TREE

DESC: test instruments x-ray effects L1

DESC: EXPERIMENTAL

REPN: AFWL TDR 64 38 ; WL TDR 64 38

SUJO: 3-224-000 ; 4-330-000

TITL: TRANSIENT RADIATION EFFECTS ON HALL DEVICES (U), 41 P, (U)

TREE: 653

.block

02292

.endblock

.block

copy: 1 id: 38732-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02293

AUTH: LANNING W.D. ; TORREY M.D.

CLSS: SRD 1

CCDE: ZZ (RADIATION TRANSPORT, HIGH ALTITUDE BURSTS, MODEL OF PHYSICAL
PROCESSES OF NUCLEAR BURST)

CONN: DA 19 020 ORD 5408

CORP: TECHNICAL OPERATIONS RESEARCH (BURLINGTON-MA)

DATE: 6402

DESC: Radiation Transport gamma L1 AIR

DESC: Fluid Mechanics hydrodynamics L1

REPN: TO B 64 18 V 2

SUJO: 9-410-000 ; 9-620-000

TEMP: 39992

TITLE: STUDY OF BOMB DEBRIS EFFECTS, FINAL REPORT, VOL II, RADIATION
TRANSPORT AND CHEMICAL METASTABILITY STUDIES, 1962-1963 (U), 40 P,
(SRD)

TREE: 980

.block

02293

.endblock

.block

copy: 1 id: 38733-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02327

ADNO: 436773

AUTH: BOND I M.A. ; CONNOR T.R. ; WELLER C.S. ; KASNER W.H.

CLSS: U

CONN: DA ARO D 31 124 G52

CORP: UNIVERSITY OF PITTSBURGH (PITTSBURGH-PA) ; WESTINGHOUSE RESEARCH
LABS (PITTSBURGH)

DATE: 6404

DESC: Magnetic Fields Electric Currents in the Upper Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L1

DESC: Nuclear Weapon Phenomenology ionospheric electron changes L5

DESC: Composition Chemistry Atmosphere Reaction Rates L5

DESC: THEORY EXPERIMENTAL

REPN: TR NO 4

SUJO: 2-313-000 ; 5-400-000 ; 5-800-000

TITLE: RECOMBINATION OF MOLECULAR POSITIVE IONS WITH ELECTRONS (U), 22 P,
(U)

.block

02327

.endblock

.block

copy: 1 id: 38754-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02330

ADNO: 433907

AUTH: SALPETER E.E. ; TREIMAN S.B.

CLSS: U

CONN: SD 50

CORP: INSTITUTE FOR DEFENSE ANALYSES

DATE: 6312

DESC: Nuclear Weapon Effects EM Propagation reflection clutter fireball
disturbed ionosphere L1

DESC: THEORY

DESC: Plasma Physics MHD fusion L5

REPN: P 55.; IDA HQ 63 2024

SUJO: 2-321-310 ; 9-500-000

TITLE: BACKSCATTER OF ELECTROMAGNETIC RADIATION FROM A TURBULENT PLASMA, 39
P., (U)

.block
02330
.endblock
.block
copy: 1 id: 38755-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02334
AUTH: ABBOTT J.L. ; BERGER R.L.
CLSS: U
CORP: NAVY/NAVAL WEAPONS EVALUATION FACILITY (ALBUQUERQUE-NM)
DATE: 6407
DESC: TABULAR
DESC: Radiation Transport neutron L1 SCATTERED AND DIRECT
REPN: NAVWEPS 8293
SUJO: 9-650-000
TTTL: BASIC NEUTRON TRANSPORT COMPUTATION FOR DETERMINING NEUTRON EFFECTS
ON NUCLEAR WEAPON SYSTEMS (U), 130 P, (U)
TREE: 970

.block
02334
.endblock
.block
copy: 1 id: 38758-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02338
ADNO: 348793
AUTH: BOND J.W. ; WELLCK R.E.
CLSS: SRD 1
CONN: AF 19 628 209
CORP: KAMAN NUCLEAR (COLORADO SPRINGS-CO)
DATE: 6312
DESC: VHF UHF ; EXPERIMENTAL THEORY
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra L5
DESC: Nuclear Weapon Environment Fallout Particles chemical composition
solubility L1
DESC: Nuclear Weapon Phenomenology Atmospheric Ionization Chemistry
general descriptions L1
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1 VISIBLE
DESC: Nuclear Weapon Effects radar systems effects L1
DESC: Composition Chemistry Atmosphere Reaction Rates L1
DESC: Nuclear Weapon Environment radiation decay gamma decay L1
DESC: Nuclear Weapon Phenomenology ionospheric electron changes L1
DESC: Nuclear Weapon Phenomenology Fireball L1 [REDACTED]
REPN: AFCRL 64 44 : KN 674 63 9 R
SHOT: [REDACTED]
TSHO: LOW-ALT
SUJO: 2-100-000 ; 2-212-000 ; 2-222-100 ; 2-223-200 ; 2-223-420 ;

2-311-000 ; 2-313-000 ; 2-322-400 ; 5-400-000

TEMP: 41091

TITL: LOW ALTITUDE RADAR ATTENUATION (U), CIRCA 100, (SRD)

.block

02338

.endblock

.block

copy: 1 id: 38762-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02344

ADNO: 403020

AUTH: KENNEY J.F. ; WILLARD H.R.

CLSS: U

CORP: BOEING SCIENTIFIC RESEARCH LABORATORIES (SEATTLE-WA)

DATE: 6304

DESC: Nuclear Weapon Effects Communications Systems ELF LF L9

DESC: VLF ; THEORY

DESC: Nuclear Weapon Environment radiation decay L5 NEUTRON

DESC: Nuclear Weapon Phenomenology ionization mechanisms chemistry prompt

neutron L1

DESC: nuclear test detection trapped radiation L5

REPN: D1 82 0241

SUJO: 2-223-400 ; 2-312-300 ; 2-322-100 ; 4-910-700

TITL: TRAPPED RADIATION AND IONOSPHERIC PERTURBATIONS DUE TO AN IMPULSIVE
NEUTRON SOURCE (U), 77 P, (U)

.block

02344

.endblock

.block

copy: 1 id: 38765-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02346

AUTH: WALKER K.R.

CLSS: U

CONN: AF 29 601 5816

CORP: HUGHES AIRCRAFT COMPANY (FULLERTON-CA)

DATE: 6406

DESC: Nuclear Weapon Effects electronic pieceparts L1

DESC: Nuclear Weapon Effects electronic subsystems L1

DESC: TREE ; THEORY CODE

REPN: WL TDR 64 41 ; AFWL TDR 64 41

SUJO: 3-210-000 ; 3-220-000

TITL: ANALOG TRANSIENT RADIATION RESPONSE ANALYSIS FOR MULTIPLE CIRCUIT
SYSTEMS , FINAL REPORT (U), 374 P, (U)

TREE: 330

.block

02346

.endblock

.block

copy: 1 id: 38767-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02347

ADNO: 437 796

AUTH: GILMORE F.R.

CLSS: U

CONN: SD 79

CORP: RAND CORPORATION (SANTA MONICA-CA)

DATE: 6403

DESC: Emission Spectra of the Atmosphere L1

DESC: TABULAR

DESC: Absorption Spectrum Transmission Opacity of Natural Heated Air L1

DESC: Nuclear Weapon Environment Induced Changes in Observables

Discrimination L5

DESC: General Atmospheric Properties L1 ABSORPTION AND EMISSION

COEFFICIENTS

REPN: RM 3997 ARPA

SUJO: 2-330-000 ; 5-100-000 ; 5-200-000 ; 5-600-000

TITL: APPROXIMATE RADIATION PROPERTIES OF AIR BETWEEN 2000 AND 8000 DEGREE

K (U), 24P, (U)

.block

02347

.endblock

.block

copy: 1 id: 38768-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02372

ADNO: 343445

AUTH: SHNIDER R.W.

CLSS: SRD 1

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)

DATE: 6307

DESC: Nuclear Weapon Environment Thermal Output source strength total

intensity L1

DESC: THERMAL ; SUMMARY TABULAR

REPN: USNRDL TR 658

TSHO: SURFACE ; LOW-ALT

SUJO: 1-210-000

TEMP: A5554

TITL: COMPILATION AND EMPIRICAL ANALYSIS OF THERMAL EXPOSURE DATA FROM

NUCLEAR SURFACE BURSTS (U), 39 P (SRD)

.block

02372

.endblock

.block

copy: 1 id: 38779-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02408REV1
ADNO: 364821
AUTH: WILSON R.C.
CLSS: SRD 1
CONN: AF 04 694 239
CORP: AVCO CORPORATION (WILMINGTON-MA)
DATE: 6302
DESC: THEORY
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1 APPENDIX A
DESC: Nuclear Weapon Environment Initial Gamma L1 ALSO INCLUDES DELAYED
GAMMAS
REPN: RAD TM 62 36 REV 1
SUJO: 1-700-000 ; 2-211-000
TEMP: 79386
TITL: SHORT-TERM GAMMA RAYS RESULTING FROM A NUCLEAR WEAPON DETONATION,
TASK 5.2 NUCLEAR RADIATION EFFECTS, REST PROGRAM (U), 34 P (SRD)
TREE: 910

.block

02408REV1

.endblock

.block

copy: 1 id: 38801-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02410
ADNO: 349952
AUTH: STRALSER B.J.
CLSS: SRD 1
CORP: MCDONNELL/ELECTRONIC EQUIPMENT DIVISION
DATE: 6311
DESC: Nuclear Weapon Environment Prompt Neutron energy spectrum L9 P4-6
DEV-10 DEV-44 DEV-43 DEV-7 DEV-39 DEV-45
DESC: Nuclear Weapon Effects electronic subsystems analysis circuit
network L1 NEUTRONS GAMMA RC CIRCUIT
DESC: Nuclear Weapon Environment X-ray Output rate L9 P4-8 DEV-35
DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse width L5
DESC: THEORY
DESC: Ionosphere normal properties L5
DESC: ionospheric properties during storms disturbances L5
DESC: Nuclear Weapon Environment Prompt Neutron angular distribution L9
P4-11
DESC: Nuclear Weapon Environment Prompt Neutron dose rate pulse width L5
DESC: Magnetic Fields Electric Currents in the Upper Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L5
REPN: A 350 ; S 29698
SUJO: 1-120-000 ; 1-130-000 ; 1-140-000 ; 1-640-000 ; 1-740-000 ;
3-219-000 ; 5-710-000 ; 5-720-000 ; 5-800-000
TEMP: 41252

TITL: NUCLEAR EFFECTS PREDICTION TECHNIQUES FOR TELEMETRY, INTERIM
ENGINEERING REPORT

TREE: 395

.block

02410

.endblock

.block

copy: 1 id: 38802-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02417

ADNO: 435163

CLSS: U

CONN: AP 33 657 10085 ; AF 33 (616) 7375

CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OH)

DATE: 6306

DESC: Nuclear Weapon Effects materials carbon L1

DESC: SUMMARY EXPERIMENTAL

DESC: Nuclear Weapon Effects materials plastics resins L1 UV

DESC: Nuclear Weapon Effects electronic pieceparts L1

DESC: Nuclear Weapon Effects materials ceramics optical L1

DESC: Ionosphere normal properties L9 P98 ELECTRON AND PROTON FLUXES

DESC: Nuclear Weapon Effects materials metals alloys L1

REPN: NO. 28

SUJO: 3-220-000 ; 3-241-000 ; 3-243-000 ; 3-244-000 ; 3-248-000 ;
5-710-000

TITL: RADIATION-EFFECTS STATE OF THE ART, 1962-1963 (U), CIRCA 150 P (U)

TREE: 300

.block

02417

.endblock

.block

copy: 1 id: 38807-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02429

AUTH: BOGUSCH R.L. ; HENDRICK R.W. JR. ; CHRISTIAN R.H.

CLSS: SRD 1

CONN: DA 49 146 XZ 245

CORP: GENERAL ELECTRIC COMPANY/TEMPO (SANTA BARBARA-CA)

DATE: 6408

DESC: Nuclear RDT&E Research Program Descriptions blast shock programs L1

DESC: Nuclear Test Simulation Field Programs concepts capability
philosophy L1

DESC: Nuclear RDT&E Research Program Descriptions EM propagation
atmospheric chemistry L1

DESC: Nuclear RDT&E Research Program Descriptions thermal optical L1

DESC: PROPOSAL TEST PLAN

DESC: Nuclear RDT&E Research Program Descriptions fallout nuclear
radiation transport L1

REPN: RM TMP 25
SHOT: MULE PACK ; SLEIGH RIDE ; ROSE BUD ; WAGON TRAIN ; BALD EAGLE ; CORN
CRIB ; KEY STONE ; SMOOTH BORE ; TOP DRAWER
SUJO: 4-110-000 ; 4-120-000 ; 4-140-000 ; 4-180-000 ; 4-810-000
TEMP: 43377
TITL: INTEGRATED PROGRAM SIX PLAN FOR PARTICIPATION IN BLUE ROCK (U), 170
P (SRD)

.block
02429
.endblock

.block
copy: 1 id: 38813-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02443
ADNO: 438420
AUTH: BAUM S. ; FREUND D. ; HOGAN M.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6402
DESC: Nuclear Weapon Environment fallout intensity contours patterns L1
DESC: THEORY CODE
DESC: Nuclear Weapon Environment fallout arrival time L1
REPN: USNRDL TR 724
TSHO: WATER-SURFACE
SUJO: 2-225-100 ; 2-225-300
TITL: CALCULATION OF TRAJECTORIES AND PROPERTIES OF SLURRY FALLOUT
PARTICLES FROM WATER SURFACE NUCLEAR BURSTS (U), 67 P, (U)

.block
02443
.endblock

.block
copy: 1 id: 38825-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02471-1
CLSS: CFRD
CORP: EG&G INCORPORATED (BOSTON-MA)
DATE: 6407
DESC: Nuclear Test Simulation Field Programs experiment design optical
radiation experiments UV visible IR L9 YIELD P 14
DESC: Nuclear weapon test yield L9 YIELD P 14
DESC: Nuclear Weapon Environment Visible Output L1
DESC: TEST DATA ; JOHNSTON ISLAND KC-135 (AIRCRAFT) ; DATA (PHOTOGRAPHS)
EXPERIMENTAL
DESC: Absorption Spectrum Transmission Opacity of Natural Heated Air L9 P
5
DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise Rates L1
REPN: B 2691 1 1 ; EGG 1183 82
SHOT: BLUEGILL

TSHO: HI-ALT
SUJO: 1-400-000 ; 2-110-000 ; 4-820-600 ; 4-835-000 ; 5-200-000
TEMP: 41417 1
TITL: PHOTOMETRIC DATA REDUCTION EVENT BLUEGILL TRIPLE PRIME, VOLUME I
(U), 95 P (C)

.block
02471-1

.endblock

.block

copy: 1 id: 38841-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02475
ADNO: 349696
AUTH: OLSON M.A.
CLSS: C 3
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6312
DESC: nuclear test detection hydroacoustic detection L1
DESC: Dynamic Oceanography L1 SURFACE OCEAN CURRENTS APPENDIX B
DESC: UNDERWATER BURST ; THEORY
DESC: nuclear test detection debris fallout L1 WATER SURFACE
DEBRIS-FALLOUT

REPN: USNRDL 476
SUJO: 4-916-000 ; 4-919-000 ; 7-100-000
TEMP: 41438
TITL: OPERATIONS ANALYSIS OF THE PROBLEM OF LOCATING AND IDENTIFYING
RADIOACTIVE DEBRIS FROM UNDERWATER NUCLEAR EXPLOSIONS (U), 135 P,
(C)

.block
02475

.endblock

.block

copy: 1 id: 38847-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02481
ADNO: 446742
CLSS: U
CONN: AF 601 6014
CORP: BOEING COMPANY (SEATTLE-WA)
DATE: 6407
DESC: Nuclear Weapon Effects electronic piecparts L1 RADIATION EQUIVALENT
CIRCUITS

DESC: TREE ; DATA
DESC: Nuclear Weapon Effects electronic subsystems analysis circuit
network L1

REPN: WL TDR 64 60 ; AFWL TDR 64 60
SUJO: 3-219-000 ; 3-220-000
TITL: DATA BOOK FOR CIRCUIT ANALYSIS AND DESIGN--TREE, VOLUME 2 (U), 180 P

(U)

TREE: 330

.block

02481

.endblock

.block

copy: 1 id: 38852-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02492

AUTH: ZINN J.

CLSS: SRD 1

CCDE: HENRE ; QNS ; XRA ; EDS

CONN: W 7405 ENG 36

CORP: LOS ALAMOS SCIENTIFIC LABORATORY (LOS ALAMOS-NM)

DATE: 6408

DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise Rates L1

DESC: EARLY FIREBALL GROWTH ; THEORY

DESC: Radiation Transport L1

DESC: Nuclear Weapon Phenomenology Fireball Internal Pressure Temperature
Density Particle Velocities L1

REPN: LAMS 3095

SHOT: BLUEGILL

TSHO: HI-ALT

SUJO: 2-110-000 ; 2-130-000 ; 9-600-000

TEMP: 41495

TITL: RADIATION TRANSPORT IN BLUEGILL (U), 52 P, (SRD)

.block

02492

.endblock

.block

copy: 1 id: 38860-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02496

ABS: This document has been prepared to assist weapon system planners in the initial determination of desirable weapon systems characteristics. It is hoped that the information on the target complex of Sino-Soviet Bloc, the charts reflecting warhead effectiveness, the maps relating system parameters to target coverage for selected strategies, and the tradeoffs developed for a specific strategy will be useful in determining limits and giving direction to the studies required at a later date. It is believed that the material contained in this document will assist weapon system planners in their initial task of narrowing the field of candidate systems to manageable proportions by providing a logical basis for decisions about the usefulness of a candidate system relative to stipulated goals.

ADNO: 349889

CLSS: SRD 1

CORP: NAVY/NAVAL WEAPONS LABORATORY (DAHLGREN-VA)
DATE: 6305
DESC: Nuclear Weapon Effects on animals ionizing radiation L1 PERSONNEL
INITIAL RADIATION FALLOUT
DESC: Nuclear Weapon Effects on animals thermal L1 PERSONNEL
DESC: Nuclear Weapon Effects Communications Systems C4 hardware L1 BLAST
DESC: Nuclear Weapon Effects structures aboveground L1 BLAST
DESC: Nuclear Warfare Theater integrated battlefield nuclear--biological
L1
DESC: Nuclear Warfare Theater integrated battlefield nuclear--chemical L1
DESC: Nuclear Weapon Effects materials not systems associated L1 THERMAL
DESC: Nuclear Weapon Effects structures shipyards harbors L1 BLAST
DESC: Nuclear Warfare Target Analysis descriptions damage radii L1
DESC: Nuclear Weapon Effects animals L1 BIOLOGICAL AND CHEMICAL WEAPONS
DESC: Nuclear Weapon Effects structures field fortifications L1 BLAST
DESC: THEORY TABULAR
REPN: K 23 64
SUJO: 3-123-000 ; 3-130-000 ; 3-140-000 ; 3-240-000 ; 3-250-000 ;
3-310-000 ; 3-312-000 ; 3-313-000 ; 3-415-200 ; 3-415-300 ;
3-430-000
TEMP: 41491
TITL: TARGETING AND WEAPONS EFFECTS RESEARCH COMPENDIUM, VOL 2, TECHNICAL
MEMORANDUM(U), CIRCA 220P, (SRD)
TNFF: 4100 ; 5801

.block

02496

.endblock

.block

copy: 1 id: 38861-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02513
ADNO: 438400
AUTH: ROBINSON F.R.
CLSS: U
CORP: EMI ELECTRONICS (HAYES MIDDLESEX-ENDLAND)
DATE: 6312
DESC: Radiation Transport IR L1
DESC: THEORY TABULAR
LA: UK
REPN: DMP 1665/1
SUJO: 9-670-000
TITL: TRANSMISSION AND SCATTERING OF INFRARED RADIATION BY CLOUDS, PART 1,
CLOUD DATA AND SIMPLE EXTINCTION LAWS (U), CIRCA 65 P (U)

.block

02513

.endblock

.block

copy: 1 id: 38866-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02514
ADNO: 441983
AUTH: HUEBSCH I.O.
CLSS: U
CCDE: ZZ (CLOUD RISE)
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6404
DESC: Nuclear Weapon Phenomenology cloud development rise L1
DESC: THEORY
REPN: USNRDL TR 741
TSHO: WATER-SURFACE
SUJO: 2-224-100
TITL: Development of a Water-Surface-Burst Fallout Model: The Rise and
Expansion of the Atomic Cloud (U), 90 P., (U)

.block

02514

.endblock

.block

copy: 1 id: 38867-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02525
ADNO: 602007
AUTH: FIELD E.C. ; LAKATOS M. ; TAMARKIN P.
CLSS: U
CORP: RAND CORPORATION (SANTA MONICA-CA)
DATE: 6406
DESC: Radiation Transport gamma L1
DESC: General Atmospheric Properties L1
DESC: THEORY
DESC: Nuclear Weapon Phenomenology Atmospheric Ionization Chemistry
general descriptions L5
REPN: RM 4142
SUJO: 2-311-000 ; 5-100-000 ; 9-620-000
TITL: TABLES OF COLUMNAR AIR MASS BETWEEN TWO POINTS IN THE ATMOSPHERE AND
IONIZATION PRODUCTION RATES DUE TO DEBRIS-DECAY GAMMA RAYS (U), 120
P (U)

.block

02525

.endblock

.block

copy: 1 id: 38871-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02529
ADNO: 351292
AUTH: RAND S.
CLSS: SRD
CONN: SD 50
CORP: INSTITUTE FOR DEFENSE ANALYSES (WASHINGTON-DC)

DATE: 6305
DESC: LONG RANGE OBSERVATION ; THEORY
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse EMP L1
SIGNAL SHIELDING
DESC: nuclear test detection EMP earth current detection L1
EMPF: 410 ; 270
REPN: P 16 ; IDA/HQ 63 1578
TSHO: HI-ALT
SUJO: 2-510-000 ; 4-914-000
TEMP: 41618
TITL: SHIELDING OF LOW-FREQUENCY RADIATION FROM A NUCLEAR BURST (U),
RESEARCH PAPER,17 P, (SRD)

.block

02529

.endblock

.block

copy: 1 id: 38874-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02530
ADNO: 351326
AUTH: ESSMYER D.J.
CLSS: SRD 1
CORP: BOEING COMPANY (SEATTLE-WA)
DATE: 6402
DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse width L1
DESC: TABULAR THEORY
DESC: Nuclear Weapon Environment Prompt Neutron source strength total
fluence L1
REPN: D2 90429 1 VOL 2
TSHO: HI ALT
SUJO: 1-110-000 ; 1-740-000
TEMP: 41620
TITL: DEFENSE MISSILE SYSTEMS NUCLEAR EFFECTS HANDBOOK, VOL 2, NUCLEAR
RADIATION, APPENDIX B, DETONATIONS ABOVE 100,000 FEET (U), CIRCA
120, (SRD)

TREE: 910 ; 920

.block

02530

.endblock

.block

copy: 1 id: 38875-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02556
CLSS: SRD 1
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6406
DESC: Nuclear Weapon Environment Initial Gamma energy spectrum L9 STARFISH
KINGFISH P14

DESC: SUMMARY
DESC: Nuclear Weapon Environment Prompt Neutron energy spectrum L9 DEV-1
DEV-12 DEV-32 DEV-34 P10
DESC: Nuclear Test Simulation Field Programs concepts capability
philosophy L1
REPN: KN 691 64 7 (DASA)
SUJO: 1-120-000 ; 1-720-000 ; 4-810-000
TEMP: 41606
TITL: FIFTH MEETING OF THE JOINT AEC/DOD NUCLEAR WEAPONS EFFECTS
COORDINATING GROUP (U), 22 P (SRD)

.block
02556
.endblock

.block
copy: 1 id: 38887-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02567
ADNO: 351306
AUTH: ESSMYER D.J.
CLSS: SRD 1
CORP: BOEING COMPANY (SEATTLE-WA)
DATE: 6402
DESC: Nuclear Weapon Environment Prompt Neutron source strength total
fluence L1
DESC: TABULAR
DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse width L1
DESC: Nuclear Weapon Environment Initial Gamma source strength total
intensity L1
REPN: D2 90429 2
TSHO: LOW ALT ; HI ALT
SUJO: 1-110-000 ; 1-710-000 ; 1-740-000
TEMP: 41715
TITL: DEFENSE MISSILE SYSTEMS NUCLEAR EFFECTS HANDBOOK, VOL 2, NUCLEAR
RADIATION APPENDIX A DETONATIONS AT 100,000 FEET AND BELOW (U), 123
P, (SRD)
TREE: 910 ; 920

.block
02567
.endblock

.block
copy: 1 id: 38898-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02573
AUTH: ZINN J. ; FAJEN F.E.
CLSS: SRD 1
CORP: LOS ALAMOS SCIENTIFIC LABORATORY (LOS ALAMOS-NM)
DATE: 6409
DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise Rates L1

DESC: COMPARISON WITH DATA ; THEORY
DESC: Nuclear Weapon Phenomenology Fireball Energy Partition Energy
Coupling L1
REPN: DASA 81162
SHOT: BLUEGILL
TSHO: HI ALT
SUJO: 2-110-000 ; 2-150-000
TEMP: 41729
TITL: RADIATION TRANSPORT AND HYDRODYNAMIC COMPUTATION OF FIREBALL GROWTH
IN BLUEGILL (U), 9 P, (SRD)

.block

02573

.endblock

.block

copy: 1 id: 38899-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02574-1
CLSS: U
CCDE: PREDICT ; TREAT
CONN: AF 29 601 5399
CORP: IBM CORPORATION (OSWEGO-NY)
DATE: 6408
DESC: EXPERIMENTAL THEORY
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TREE SIMULATION
DESC: Nuclear Weapon Effects electronic subsystems analysis circuit
network L1 TREE SIMULATION
DESC: Simulation Facilities Techniques nuclear radiation reactors isotopic
sources L1
DESC: Simulation Facilities Techniques TREE L1
REPN: WL TDR 64 62 VOL 1 ; IBM 64 521 5
SUJO: 3-219-000 ; 3-221-000 ; 4-241-000 ; 4-272-000
TITL: AUTOMATED DIGITAL COMPUTER PROGRAM FOR DETERMINING RESPONSES OF
ELECTRONIC SYSTEMS TO TRANSIENT NUCLEAR RADIATION, VOL. 1 (U),
DEVELOPMENT AND APPLICATION OF DIGITAL COMPUTER PROGRAMS, SECOND
ANNUAL REPORT, 113 P, (U)

TREE: 330 ; 310

.block

02574-1

.endblock

.block

copy: 1 id: 38900-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02574-2
CLSS: U
CCDE: PREDICT
CONN: AF 29 601 5399
CORP: IBM CORPORATION (OSWEGO-NY)

DATE: 6408
DESC: Nuclear Weapon Effects electronic subsystems analysis circuit
network L1 TREE
DESC: THEORY CODE
REPN: WL TDR 64 62 VOL II, IBM 64 521 5
SUJO: 3-219-000
TITL: AUTOMATED DIGITAL COMPUTER PROGRAM FOR DETERMINING RESPONSES OF
ELECTRONIC SYSTEMS TO TRANSIENT NUCLEAR RADIATION (U), VOL. II,
PREDICT CIRCUIT ANALYSIS PROGRAM, 145 P, (U)

TREE: 330

.block

02574-2

.endblock

.block

copy: 1 id: 38901-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02574-3

CLSS: U

CCDE: TREAT

CONN: AF 29 601 5399

CORP: IBM CORPORATION (OSWEGO-NY)

DATE: 6408

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TREE

DESC: THEORY CODE

REPN: WL TDR 64 62 VOL III, IBM 64 521 5

SUJO: 3-221-000

TITL: AUTOMATED DIGITAL COMPUTER PROGRAM FOR DETERMINING RESPONSES OF
ELECTRONIC SYSTEMS TO TRANSIENT NUCLEAR RADIATION (U), VOLUME III,
TREAT COMPONENT ANALYSIS PROGRAM, 222 P, (U)

TREE: 310

.block

02574-3

.endblock

.block

copy: 1 id: 38902-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02574-SUP

ADNO: 353924

CLSS: SRD

CONN: AF 29 601 5399

CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NM)

DATE: 6408

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TREE SIMULATION

DESC: Nuclear Weapon Effects electronic subsystems L1 TREE SIMULATION

REPN: WL TDR 64 62 SUP

SHOT: SMALL BOY

TSHO: SURFACE
SUJO: 3-210-000 ; 3-221-000
TEMP: 43241
TITL: AUTOMATED DIGITAL COMPUTER PROGRAM FOR DETERMINING RESPONSES OF
ELECTRONIC SYSTEMS TO TRANSIENT NUCLEAR RADIATION (U), SUPPLEMENT,
ANALYSIS OF SELECTED CIRCUITS IN PULSED RADIATION ENVIRONMENTS, 58
P, (SRD)

TREE: 300

.block

02574-SUP

.endblock

.block

copy: 1 id: 38903-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02575

ADNO: 449663

AUTH: FODERARO A. ; DEGELMAN L.

CLSS: U

CCDE: HERB

CONN: NONR 3851 00

CORP: HRB-SINGER INCORPORATED (STATE COLLEGE-PA)

DATE: 6300

DESC: THEORY CODE

DESC: Radiation Transport neutron L1

REPN: 356 R 4

SUJO: 9-650-000

TITL: HERB MONTE CARLO PROGRAM FOR CALCULATING COLLISIONAL DENSITY OF
NEUTRONS IN THE EARTHS UPPER ATMOSPHERE AS A FUNCTION OF ANGULAR
DISTANCE FROM A POINT SOURCE NUCLEAR DETONATION (U), 41 P (U)

TREE: 970

.block

02575

.endblock

.block

copy: 1 id: 38904-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02578

AUTH: HIRSH M.N. ; EISNER P.N. ; SLEVIN J.A.

CLSS: U

CONN: DA 36 039 AMC 03278 (E)

CORP: G.C. DEWEY CORPORATION (NEW YORK-NY)

DATE: 6406

DESC: Composition Chemistry Atmosphere Reaction Rates L1

DESC: EXPERIMENTAL

DESC: Simulation Facilities Techniques EM propagation atmospheric
chemistry high-altitude phenomenolgy L5

DESC: Nuclear Weapon Phenomenology ionization mechanisms chemistry x-ray
L1 SIMULATION

REPN: R 173 4
SUJO: 2-312-400 ; 4-220-000 ; 5-400-000
TTTL: EXPERIMENTAL INVESTIGATION OF THE EFFECTS OF RADIATION ON THE
PROPAGATION OF ELECTROMAGNETIC SIGNALS IN AIR (U), 84 P (U)

.block
02578
.endblock

.block
copy: 1 id: 38906-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02580-3
AUTH: MORGAN P.L. ; MASSENGILL E.B. JR. ; GORDON W.
CLSS: U
CORP: NAVY/WEAPONS EVALUATION FACILITY (ALBUQUERQUE-NM)
DATE: 6410
DESC: RF EMP shielding protection L1
DESC: BIBLIOGRAPHY
DESC: Nuclear Weapon Effects ordnance bombs mines warheads L1 EMP
EMPF: 150
REPN: NAVWEPS 8300
SUJO: 3-161-000 ; 9-810-000
TTTL: BIBLIOGRAPHY ON THE VULNERABILITY OF NUCLEAR WEAPONS--
ELECTROMAGNETIC RADIATION ENVIRONMENT (U), NAVWEPS REPORT, VOLUME
III, 38 P., (U)

.block
02580-3
.endblock

.block
copy: 1 id: 38910-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02580-8
AUTH: MORGAN P.L. ; MASSENGILL E.B. ; GORDON W.
CLSS: U
CONN: RRNU AC 105/223-1/F008-11/103
CORP: NAVY/NAVAL WEAPONS EVALUATION FACILITY (ALBUQUERQUE-NM)
DATE: 6409
DESC: Nuclear Weapon Effects ordnance L1 THERMAL
DESC: BIBLIOGRAPHY
REPN: NAVWEPS REPORT 8300 VOLUME 8
SUJO: 3-160-000
TTTL: BIBLIOGRAPHY ON THE VULNERABILITY OF NUCLEAR WEAPONS: THERMAL
RADIATION ENVIRONMENT (U), 28 P (U)

.block
02580-8
.endblock

.block
copy: 1 id: 38915-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02587-1
AUTH: ANDREWS J.L.
CLSS: S 1
CORP: GCA CORPORATION OF AMERICA (BEDFORD-MA)
DATE: 6409
DESC: Nuclear Test Simulation Field Programs experiment design optical
radiation experiments UV visible IR L1
REPN: DASA 81211 ; GA 020 64 446
PROJ: 8.6
SUJO: 4-820-600
TEMP: 41776
TITL: EXPERIMENTAL AND REQUIREMENTS PLAN, OPERATION BLUE ROCK, PROJECT
8.6, PLAN NUMBER 1 (U), 34 P (S)

.block

02587-1

.endblock

.block

copy: 1 id: 38919-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02587-2
AUTH: ANDREWS J.L.
CLSS: S 1
CORP: GCA CORPORATION OF AMERICA (BEDFORD-MA)
DATE: 6410
DESC: Nuclear Test Simulation Field Programs experiment design optical
radiation experiments UV visible IR L1
REPN: DASA 81937 ; GA 020 64 518
PROJ: 8.6
SUJO: 4-820-600
TEMP: 41870
TITL: EXPERIMENTAL AND REQUIREMENTS PLAN, OPERATION BLUE ROCK, PROJECT
8.6, PLAN NUMBER 2 (U), 16 P (S)

.block

02587-2

.endblock

.block

copy: 1 id: 38920-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02595-1
ADNO: 603099
AUTH: STEINBERG H.A.
CLSS: U
CCDE: TRG-SGD
CONN: AF 29 601 5829
CORP: TRG INCORPORATED (MELVILLE-NY)

DATE: 6407
DESC: Radiation Transport neutron L5
DESC: Radiation Transport gamma L5
DESC: Fluid Mechanics hydrodynamics L1
DESC: THEORY
REPN: WL TDR 64 46 V 1
SUJO: 9-410-000 ; 9-620-000 ; 9-650-000
TITL: TRG-SGD, MONTE CARLO PROGRAM TO CALCULATE SECONDARY GAMMA RAY DOSE
FROM A NUCLEAR WEAPON DETONATION (U), 31 P, (U)

TREE: 960

.block

02595-1

.endblock

.block

copy: 1 id: 38925-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02595-2

ADNO: 444373

AUTH: STEINBERG H.A.

CLSS: U

CCDE: TRG-SGD

CONN: AF 29 601 5829

CORP: TRG INCORPORATED (MELVILLE-NY)

DATE: 6407

DESC: Radiation Transport neutron L1

DESC: Radiation Transport gamma L1

DESC: CODE

REPN: WL TDR 64 46 V 2

SUJO: 9-620-000 ; 9-650-000

TITL: TRG-SGD, MONTE CARLO PROGRAM TO CALCULATE SECONDARY GAMMA RAY DOSE
FROM A NUCLEAR WEAPON DETONATION (U), 295 P, (U)

TREE: 960

.block

02595-2

.endblock

.block

copy: 1 id: 38926-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02598

ADNO: 430027

AUTH: GRANNEMANN W.W. ; BYATT W.J. ; SOUTHWARD H.D. ; BOATWRIGHT L.T. ;
MEYER L.

CLSS: U

CONN: AF 29 601 5976

CORP: UNIVERSITY OF NEW MEXICO (ALBUQUERQUE-NM)

DATE: 6301

DESC: Simulation Facilities Techniques TREE L5

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes

silicon-controlled rectifiers L1 TREE SIMULATION (FLASH X-RAY)

DESC: SUMMARY
REPN: EE 103
SUJO: 3-221-000 ; 4-272-000
TITL: LABORATORY TESTING AND THEORETICAL STUDIES SUPPORTING THE AFSWC
TRANSIENT RADIATION EFFECTS ON ELECTRONICS (TREES) PROGRAM, SEMI
ANNUAL TECHNICAL SUMMARY REPORT (U), 70 P, (U)

TREE: 310

.block

02598

.endblock

.block

copy: 1 id: 38928-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02613

ADNO: 601998

AUTH: DAVIS H.J.

CLSS: U

CORP: HARRY DIAMOND LABORATORIES (WASHINGTON-DC)

DATE: 6405

DESC: THEORY

DESC: Absorption Spectrum Transmission Opacity of Natural Heated Air L1

REPN: TR 1225

SUJO: 5-200-000

TITL: THERMAL RADIATION FROM HIGH-TEMPERATURE AIR (U), 18 P (U)

.block

02613

.endblock

.block

copy: 1 id: 38934-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02623

ADNO: 352380

AUTH: STUART G.W.

CLSS: SRD 1

CCDE: JEEP

CONN: AF 29 601 5850

CORP: GENERAL DYNAMICS CORPORATION/GENERAL ATOMIC DIVISION (SAN DIEGO-CA)

DATE: 6407

DESC: Nuclear Weapon Effects meteorological Atmospheric Heating L1

DESC: THEORY

DESC: Absorption Spectrum Transmission Opacity of Natural Heated Air L1

DESC: Nuclear Weapon Environment Thermal Output source strength total

intensity L1

REPN: AFWL TDR 64 40, WL TDR 64 40

SUJO: 1-210-000 ; 2-730-000 ; 5-200-000

TEMP: 41894

TITL: NONEQUILIBRIUM RADIATION AND HIGH ALTITUDE NUCLEAR EXPLOSIONS, FINAL

REPORT (U), 66 P, (SRD)

.block

02623

.endblock

.block

copy: 1 id: 38937-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02627

ADNO: 603708

AUTH: HAMMAN D.J. ; WYLER E.N. ; THATCHER R.K. ; VEAZIE W.H. ; SHOBER F.R.
; BETTENHAUSEN L.H. ; FAIRAND B.P. ; BROADWAY N.J. ; GILLETTE H.C. ;
NELSON L.M. AY N.J., FAIRAND B.P., BATTENHAUSEN L.H., GILLETTE H.C.,
NELSON L.M.

CLSS: U

CONN: AF 33 615 1124

CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OH)

DATE: 6406

DESC: Nuclear Weapon Effects electronic pieceparts L1

DESC: Nuclear Weapon Effects materials metals alloys L1

DESC: test instruments nuclear radiation dosimeters radiacs L5

DESC: X RAY NEUTRON GAMMA PROTON BETA ; SURVEY

REPN: REIC NO 34

SUJO: 3-220-000 ; 3-243-000 ; 4-346-000

TITL: RADIATION EFFECTS STATE OF THE ART 1963-1964 (U), CIRCA 100, (U)

TREE: 300

.block

02627

.endblock

.block

copy: 1 id: 38939-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02629

ADNO: 603599

AUTH: KUCK G.A.

CLSS: U

CORP: AIR FORCE/INSTITUTE OF TECHNOLOGY (WRIGHT PATTERSON AFB-OH)

DATE: 6408

DESC: test instruments nuclear radiation beta electron beams L5

DESC: EXPERIMENTAL THEORY

DESC: Nuclear Weapon Phenomenology High-Altitude injection trapping L1

DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling

distribution energy spectrum L1

REPN: GSP 64

SUJO: 2-212-000 ; 2-217-000 ; 4-344-000

TITL: TIME BEHAVIOR OF CHARGED PARTICLES INJECTED BY 1962 HIGH ALTITUDE
RUSSIAN NUCLEAR TESTS, THESIS (U), 88 P, (U)

.block

02629

.endblock

.block

copy: 1 id: 38940-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02630
ADNO: 603770
AUTH: HIRSH M.N. ; EISNER P.N.
CLSS: U
CONN: DA 36 039 AMC 03278 (E)
CORP: G.C. DEWEY CORP. (NEW YORK, NY)
DATE: 6403
DESC: Nuclear RDT&E Research Program Descriptions EM propagation
atmospheric chemistry L1
DESC: SUMMARY
REPN: R 173 3
SUJO: 4-120-000
TITL: EXPERIMENTAL INVESTIGATION OF THE EFFECTS OF RADIATION OF THE
PROPOGATION OF ELECTROMAGNETIC SIGNALS IN AIR, THIRD QUARTERLY
PROGRESS REPORT (U), 20 P., (U)

.block

02630

.endblock

.block

copy: 1 id: 38941-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02660
ADNO: 608494
AUTH: DESPAIN A.M.
CLSS: U
CONN: AF 19 628 447
CORP: UNIVERSITY OF UTAH (SALT LAKE CITY-UT)
DATE: 6408
DESC: test instruments EM propagation atmospheric chemistry direct probes
L5
DESC: THEORY
DESC: Magnetic Fields Electric Currents in the Upper Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L1
DESC: Ionosphere normal properties L1 ROCKET PROBE
REPN: SR NO 3 ; AFCRL 64 809
SUJO: 4-327-000 ; 5-710-000 ; 5-800-000
TITL: PLASMA RESONANCE AND ELECTRON TEMPERATURE EXPERIMENT (U),82 P, (U)

.block

02660

.endblock

.block

copy: 1 id: 38960-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02662
ADNO: 422017
AUTH: GROSS R.A.
CLSS: U
CORP: COLUMBIA UNIVERSITY (NEW YORK-NY)
DATE: 6308
DESC: Equation of State of Air L5
DESC: Nuclear Weapon Environment Airblast static overpressure ARRIVAL
TIME.L1
DESC: THEORY
REPN: R NO 5
SUJO: 2-611-000 ; 5-300-000
TITL: CONTINUUM RADIATION BEHIND A BLAST WAVE (U), 50 P, (U)

.block

02662

.endblock

.block

copy: 1 id: 38961-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02665
AUTH: MARCUM J.I.
CLSS: SRD 1
CONN: AF 49 (638) 700
CORP: RAND CORPORATION (SANTA MONICA-CA)
DATE: 6410
DESC: Cross Sections gamma L1
DESC: Cross Sections neutron L1
DESC: Radiation Transport neutron L1
DESC: THEORY
DESC: Radiation Transport gamma L1
REPN: RM 4190 1 PR
SUJO: 9-620-000 ; 9-650-000 ; 9-820-000 ; 9-830-000
TEMP: 41991
TITL: REVISED NEUTRON AND GAMMA RAY DOSAGES FROM A SOURCE OF 14 MEV
NEUTRONS NEAR ANAIR-GROUND INTERFACE (U), 23 P (SRD)
TREE: 910 ; 920

.block

02665

.endblock

.block

copy: 1 id: 38963-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02669
ADNO: 423725
AUTH: FREILING E.C.
CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6309
DESC: THEORY
DESC: Nuclear Weapon Environment fallout fractionation L1
DESC: Nuclear Weapon Environment Fallout Particles size distribution L5
REPN: USNRDL TR 680
SUJO: 2-222-300 ; 2-223-500
TITL: FRACTIONATION III: ESTIMATION OF DEGREE OF FRACTIONATION AND
RADIONUCLIDE PARTITION FOR NUCLEAR DEBRIS (U), 35 P, (U)

.block

02669

.endblock

.block

copy: 1 id: 38965-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02714
ADNO: 448459
AUTH: NEWCOMBE C.L.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6408
DESC: SURVEY BIBLIOGRAPHY SUMMARY
DESC: Geology L5 SOILS MAP OF RUSSIA
DESC: Animal Studies L9 USSR
DESC: Plant Studies L9 USSR L5 VEGETATION MAP OF RUSSIA
DESC: nuclear test detection methods hardware L1 BIOLOGICAL EFFECTS
DESC: Nuclear Weapon Effects on animals blast shock L1
DESC: Soil Rock Properties Equation of State Conductivity L9 USSR
REPN: USNRDL TR 774
TSHO: UG-CONTAINED
SUJO: 3-311-000 ; 4-910-000 ; 6-300-000 ; 6-500-000 ; 6-700-000 ;
6-900-000
TITL: LITERATURE STUDY OF BIOLOGICAL EFFECTS FROM SHOCK WAVES AND OF
ORGANISMS THAT MA SERVE AS BIOLOGICAL INDICATORS OF UNDERGROUND
NUCLEAR DETONATIONS (U), 150 P., (U)

.block

02714

.endblock

.block

copy: 1 id: 38987-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02736-1
ADNO: 353374
AUTH: ROBERTS A.C., WING P.G.
CLSS: SRD 1
CONN: AF 29 601 6030
CORP: ALLIED RESEARCH ASSOCIATES INCORPORATED (CONCORD-MA)
DATE: 6406

DESC: Nuclear Weapon Environment Airblast static overpressure
OVERPRESSURE.L1
DESC: THEORY
DESC: Nuclear Weapon Environment Thermal Output source strength total
intensity L1
REPN: WL TDR 64 66 VOL I
SUJO: 1-210-000 ; 2-611-000
TEMP: 43246 VOL I
TITL: EFFECTS SENSITIVITY ANALYSIS BLAST AND THERMAL RADIATION, VOL I,
DERIVATION OF SENSITIVITY EXPRESSIONS (U), 125 P, (SRD)

.block

02736-1

.endblock

.block

copy: 1 id: 38995-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02736-2
ADNO: 353375
AUTH: KNODEL D.C., ROBERTS A.C., WING P.G.
CLSS: SRD 1
CONN: AF 29 601 6030
CORP: ALLIED RESEARCH ASSOCIATES INCORPORATED (CONCORD-MA)
DATE: 6408
DESC: Nuclear Weapon Environment Airblast static overpressure
OVERPRESSURE.L1

DESC: Nuclear Weapon Environment Airblast dynamic pressure L1
DESC: Nuclear Weapon Environment Thermal Output source strength total
intensity L1

DESC: SENSITIVITY ANALYSIS ; THEORY
REPN: WL TDR 64 66 VOL II
SUJO: 1-210-000 ; 2-611-000 ; 2-612-000
TEMP: 43246
TITL: EFFECTS SENSITIVITY ANALYSIS BLAST AND THERMAL RADIATION,
SENSITIVITY MAGNITUDES AND VARIATIONS, VOL II (U), 74 P, (SRD)

.block

02736-2

.endblock

.block

copy: 1 id: 38996-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02758
AUTH: COOK C.W.
CLSS: SRD
CORP: SANDIA CORPORATION (ALBUQUERQUE-NM)
DATE: 6302
DESC: Nuclear Weapon Effects ordnance electroexplosive devices fuses L1
EMP SIMULATION
DESC: EXPERIMENTAL

EMPF: 363
REPN: SCDR 344 62 ; RS 3423 1125
SUJO: 3-162-000
SYST: B54-0 STRATEGIC ATOMIC DEMOLITION MUNITION
TEMP: 43319
TITL: ELECTROMAGNETIC RADIATION SUSCEPTIBILITY TEST OF THE B54-0 (SADM)
(U), 24 P. (SRD)

.block
02758
.endblock

.block
copy: 1 id: 39009-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02764-2-70
AUTH: BRANNON D. E. ; BABB D. D.
CORP: DIKEWOOD CORPORATION (ALBUQUERQUE-NM)
DATE: 6411
DESC: TABULAR EXPERIMENTAL THEORY
DESC: Radiation Transport neutron L1
DESC: Nuclear Weapon Environment Prompt Neutron source strength total
fluence L1
DESC: Nuclear Weapon Environment Prompt Neutron energy spectrum L1
SHOT: STARFISH ; KINGFISH
TSHO: HI ALT
SUJO: 1-110-000 ; 1-120-000 ; 9-650-000
SYMJ: CONTAINED IN AMRAC PROCEEDINGS, VOLUME XI, PART II, MEETING OF 16,
17, AND 18 NOVEMBER 1964, CHICAGO, ILLINOIS
TITL: MODEL OF FAST NEUTRON TRANSPORT THROUGH THE ATMOSPHERE (U), 13 P,
(SRD)
TREE: 920

.block
02764-2-70

.endblock
.block
copy: 1 id: 39018-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02773
ADNO: 446332
AUTH: ROY J.C., DURHAM R.W., FOWLER A.G., HAWTON J.J.
CLSS: U
CORP: ATOMIC ENERGY OF CANADA LIMITED (CHALK RIVER-ONTARIO)
DATE: 6405
DESC: THEORY EXPERIMENTAL
DESC: test instruments nuclear radiation neutron L1 REACTOR NEUTRON
SPECTRUM
LA: CANADA
REPN: CRC 1101 ; AECL 1994
SUJO: 4-342-000

TITL: MEASUREMENT OF FISSION NEUTRON FLUXES AND SPECTRA WITH THRESHOLD
DETECTORS (U), 30 P, (U)

TREE: 652

.block

02773

.endblock

.block

copy: 1 id: 39025-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02816-2

ADNO: 610735

AUTH: ASHLEY L.E.

CLSS: U

CONN: AF 19 604 8463

CORP: AMERICAN SCIENCE AND ENGINEERING INCORPORATED (CAMBRIDGE-MA)

DATE: 6408

DESC: Composition Chemistry Atmosphere Reaction Rates L1

DESC: EXPERIMENTAL

REPN: ASE 711, ARCRL 64 849

SUJO: 5-400-000

TITL: GENERATION OF INFRARED RADIATION IN THE UPPER ATMOSPHERE BY CHEMICAL
SEEDING (U), 43 P, (U)

.block

02816-2

.endblock

.block

copy: 1 id: 39049-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02838

ABS: The driving mechanism of the radioflash is the radial current of Compton electrons produced by the gamma rays of the nuclear detonation. These gamma rays may be described by consideration of their origin. The prompt gamma rays are due to inelastic neutron processes in the outer layers of the bomb and reflect the neutron current time dependence. The next major source for explosions in the atmosphere is due to interactions of the high energy neutrons with air, primarily nitrogen, and has the character of a shell source of high energy gamma rays. The next contributing source is from the decay of isomeric states of the fragments produced by nuclear fission. Concurrently, for near surface detonations, there is a source due to neutron interactions in the ground, both inelastic scattering and capture, which produces a distributed surface source.

ABS: Also during this time neutrons contribute to the energy deposition in the air and detectors. Following these sources in time are the gamma rays from slow neutron capture in nitrogen - a high energy volume source affected somewhat by the shock wave in the case of high yield explosions. The last contributor to the initial radiation is the gamma rays following beta decay of the fission products. The

time dependence of these gamma rays is greatly modified by the shock wave and by the rise of the fireball. The calculation and experimental data of the gamma ray time dependence for Small Boy, as well as an estimate for a megaton bomb, are used as an illustration of the gamma time dependence of nuclear bombs. The recipes used in the predictions are included as are those required to extrapolate the dependences to the ranges of interest.

AUTH: MALIK J.
CLSS: SRD 1
CCDE: ZZ (GAMMA TRANSPORT)
CONN: W 7405 ENG 36
CORP: LOS ALAMOS SCIENTIFIC LABORATORY (LOS ALAMOS-NM)
DATE: 6405
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra L1
DESC: Nuclear Weapon Environment Initial Gamma source strength total
intensity L1
DESC: Nuclear Weapon Environment radiation decay beta decay L1
DESC: Nuclear Weapon Environment radiation decay gamma decay L1
DESC: THEORY CODE
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse EMP L1
DESC: Nuclear Weapon Environment Prompt Neutron source strength total
fluence L1
EMPF: 240
REPN: LA 3113 MS
SHOT: SMALL BOY
TSHO: LOW-ALT
SUJO: 1-110-000 ; 1-710-000 ; 2-223-200 ; 2-223-420 ; 2-223-430 ;
2-510-000
TEMP: 43602
TITL: GAMMA RAYS FROM ATOMIC BOMBS (U), 32 P (SRD)
TNFF: 4850
TREE: 910
.block
02838
.endblock
.block
copy: 1 id: 39058-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02849
AUTH: SULLIVAN J.M.
CLSS: SRD 1
CONN: SD 204
CORP: TEMPO/GENERAL ELECTRIC COMPANY (SANTA BARBARA-CA)
DATE: 6411
DESC: Nuclear Weapon Effects Communications Systems MF HF L1 HF LF
DESC: Nuclear Weapon Effects Communications Systems C4 hardware radio
microwave systems L1 SHOCK
DESC: Nuclear Weapon Environment Airblast static overpressure
OVERPRESSURE.L5
DESC: Nuclear Weapon Effects structures aboveground components L1 SHOCK
WALLS

DESC: Nuclear Weapon Phenomenology cloud shape size L5
DESC: Nuclear Weapon Effects on animals thermal burns heating L5
DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise Rates L5
DESC: Nuclear Weapon Effects on animals ionizing radiation L5
DESC: HANDBOOK
DESC: Nuclear Weapon Environment Thermal Output source strength total
intensity L5
DESC: Nuclear Weapon Effects on animals blast shock missiles L5
DESC: Nuclear Weapon Phenomenology Atmospheric Ionization Chemistry 5
REPN: 4M 64 TMP 1
SUJO: 1-210-000 ; 2-110-000 ; 2-224-140 ; 2-310-000 ; 2-322-200 ;
2-611-000 ; 3-132-000 ; 3-251-100 ; 3-311-300 ; 3-312-000 ;
3-313-100
TEMP: 81421
TTTL: HANDBOOK OF INFORMATION FOR COMMUNICATIONS SYSTEM DESIGN, NUCLEAR
EFFECTS (U), 146 P, (SRD)

.block

02849

.endblock

.block

copy: 1 id: 39062-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02850
ADNO: 354748
AUTH: SHIRASAWA T.H.
CLSS: SFRD 1
CONN: AT 49 7 2122
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6407
DESC: Environmental Conditions at Nuclear Weapon Test Site underwater
conditions bottom measurements L5
DESC: Nuclear Weapon Environment fallout transfer L1
DESC: Nuclear Weapon Environment fallout intensity contours patterns L1
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra L1
DESC: SURFACE OBSERVATION UNDERWATER OBSERVATION ; EXPERIMENTAL
DESC: test instruments nuclear radiation gamma L1
DESC: Environmental Conditions at Nuclear Weapon Test Site weather L5
REPN: USNRDL TR 770
SHOT: SWORDFISH
TSHO: UNDERWATER
SUJO: 2-223-200 ; 2-224-300 ; 2-225-100 ; 4-341-000 ; 4-841-000 ;
4-844-000
TEMP: 43657
TTTL: EARLY DIMENSIONS AND RADIATION INTENSITIES OF THE RADIOACTIVE POOL
RESULTING FROM SHOT SWORD FISH (U), 82 P (SFRD)

.block

02850

.endblock

.block

copy: 1 id: 39063-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02854
ADNO: 607859
AUTH: ELTERMAN L.
CLSS: U
CORP: AIR FORCE/CAMBRIDGE RESEARCH LABORATORIES (BEDFORD-MA)
DATE: 6409
DESC: Radiation Transport visible L1
DESC: EXPERIMENTAL TABULAR
DESC: Radiation Transport IR L1
DESC: Absorption Spectrum Transmission Opacity of Natural Heated Air L1
REPN: AFCRL 64 740
SUJO: 5-200-000 ; 9-630-000 ; 9-670-000
TITL: ATMOSPHERIC ATTENUATION MODEL, 1964, IN THE ULTRAVIOLET, VISIBLE,
AND INFRARED REGIONS FOR ALTITUDES TO 50 KM, ENVIRONMENTAL RESEARCH
PAPERS (U), 40 P (U)

.block
02854
.endblock
.block

copy: 1 id: 39065-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02855
ADNO: 607788
AUTH: KARZAS W.J. ; LATTE R.
CLSS: U
CORP: RAND CORPORATION (SANTA MONICA-CA)
DATE: 6410
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse EMP L1
DESC: nuclear test detection EMP earth current detection L1
DESC: Nuclear Weapon Phenomenology ionization mechanisms chemistry initial
gamma L1
DESC: THEORY
REPN: RM 4306
TSHO: HI-ALT
SUJO: 2-312-200 ; 2-510-000 ; 4-914-000
TITL: DETECTION OF THE ELECTROMAGNETIC RADIATION FROM NUCLEAR EXPLOSIONS
IN SPACE (U), MEMORANDUM, 38 P, (U)

.block
02855
.endblock
.block

copy: 1 id: 39066-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02868-1
ADNO: 356294

AUTH: YORK E.N. ; CONTRERAS L.M. ; MAR B.W.
CLSS: SRD 1
CCDE: CLOSE UP
CONN: AF 29 601 6039
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AFB-NM)
DATE: 6411
DESC: Radiation Transport neutron L1
DESC: Nuclear Weapon Phenomenology cloud development rise L1
DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise Rates L1
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra L1
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1
DESC: Nuclear Weapon Phenomenology Fireball Internal Pressure Temperature
Density Particle Velocities L1
DESC: Nuclear Weapon Environment radiation decay gamma decay L9 P63 EARLY
TIME TO ONE YEAR
DESC: Nuclear Weapon Effects on animals ionizing radiation prompt L1
WITHIN SILO
DESC: THEORY
DESC: Radiation Transport gamma L1
REPN: WL TDR 64 85 V 1
TSHO: LOW-ALT ; HI-ALT
SUJO: 2-110-000 ; 2-130-000 ; 2-211-000 ; 2-223-200 ; 2-223-420 ;
2-224-100 ; 3-312-100 ; 9-620-000 ; 9-650-000
TEMP: 43712, TEMPO 55384
TITL: COMPUTATIONAL MODEL TO DETERMINE THE NUCLEAR RADIATION ENVIRONMENT
FROM PROMPT WEAPON AND FISSION PRODUCTS GAMMAS, AND FAST NEUTRONS,
VOLUME 1 (U), 228 P, (SRD)

TREE: 960 ; 970

.block

02868-1

.endblock

.block

copy: 1 id: 39075-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02868-2

ADNO: 356425

AUTH: YORK E.N. ; LANDAY N.D. ; MOSHOFSKY R.P.

CLSS: SRD

CCDE: CLOSE UP

CONN: AF 29 601 6039

CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AFB-NM)

DATE: 6411

DESC: Radiation Transport gamma L1

DESC: Radiation Transport neutron L1

DESC: CODE

REPN: WL TDR 64 85 V 2

SUJO: 9-620-000 ; 9-650-000

TEMP: 43712

TITL: COMPUTATIONAL MODEL TO DETERMINE THE NUCLEAR RADIATION ENVIRONMENT
FROM PROMPTWEAPON AND FISSION PRODUCT GAMMAS, AND FAST NEUTRONS,

VOLUME 2 (U), 478 P, (S)

TREE: 960 ; 970

.block

02868-2

.endblock

.block

copy: 1 id: 39076-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02889

AUTH: RUSSELL R.L. ; BELL J.E.

CLSS: U

CONN: AF 29 601 6282

CORP: HUGHES AIRCRAFT COMPANY (FULLERTON-CA)

DATE: 6411

DESC: SUMMARY

DESC: test instruments hardened instruments L1

REPN: WL TR 64 121

SUJO: 4-360-000

TITL: DEVELOPMENT OF RADIATION HARDENED READOUT CIRCUITS (U), 198 P, (U)

TREE: 368

.block

02889

.endblock

.block

copy: 1 id: 39088-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02938

CLSS: SRD 1

CORP: AIR FORCE/SYSTEMS COMMAND (WASHINGTON-DC)

DATE: 6412

DESC: TABULAR

DESC: Nuclear Weapon Environment Prompt Neutron source strength total
fluence L1

DESC: Nuclear Weapon Environment Fallout gamma intensities spectra L1

DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse width L1

DESC: Nuclear Weapon Environment Initial Gamma source strength total
intensity L1

REPN: AFSCM 500 4

SUJO: 1-110-000 ; 1-710-000 ; 1-740-000 ; 2-223-200

TEMP: 43937

TITL: SYSTEMS APPLICATIONS OF NUCLEAR TECHNOLOGY, INITIAL RADIATION
CALCULATIONS AND EFFECTS ON PERSONNEL (U), 30 P (SRD)

TREE: 910 ; 920

.block

02938

.endblock

.block

copy: 1 id: 39187-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02942
ADNO: 455100
AUTH: ZAGORITES H.A.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6411
DESC: Simulation Facilities Techniques blast shock high explosives L1
DESC: EXPERIMENTAL
REPN: USNRDL TR 796
SUJO: 4-216-300
TITL: ELF SIGNALS FROM SMALL CHEMICAL EXPLOSIONS (U), 21 P (U)

.block

02942

.endblock

.block

copy: 1 id: 39191-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 02963
CLSS: SRD 1
CORP: AIR FORCE/SYSTEMS COMMAND (WASHINGTON-DC)
DATE: 6411
DESC: Nuclear Weapon Effects on animals ionizing radiation prompt L1
DESC: Magnetic Fields Electric Currents in the Upper Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L1
DESC: Nuclear Weapon Effects electronic pieceparts solar cells L1
DESC: Nuclear Weapon Phenomenology High-Altitude injection trapping L1
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1
DESC: Nuclear Weapon Effects space systems L1 NUCLEAR RADIATION PERMANENT
DAMAGE
DESC: Electromagnetic Theory Applications L1
DESC: HANDBOOK
DESC: Cross Sections electron L1
REPN: AFSCM 500 3
SUJO: 2-212-000 ; 2-213-000 ; 2-217-000 ; 3-114-000 ; 3-221-000 ;
3-223-000 ; 3-312-100 ; 5-800-000 ; 9-300-000 ; 9-850-000
TEMP: 45006
TITL: SYSTEMS APPLICATIONS OF NUCLEAR TECHNOLOGY-ARGUS PHENOMENON AND ITS
EFFECTS ONAEROSPACE SYSTEMS (U), CIRCA 160 P (SRD)
TREE: 393

.block

02963

.endblock

.block

copy: 1 id: 39202-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 02967

ADNO: 456645

CLSS: U

CONN: AF 04 694 558

CORP: GENERAL PRECISION INCORPORATED (WAYNE-NJ), AIR FORCE/BALLISTIC
SYSTEMS DIVISION (NORTON AFB-CA)

DATE: 6407

DESC: Nuclear Weapon Effects electronic subsystems guidance control EMP
NUCLEAR RADIATION TRANSIENTS

DESC: Nuclear Weapon Effects materials ceramics optical L1 FUZED GLASS
MICA QUARTZ ALUMINA STEALITE SPINEL

DESC: Nuclear Weapon Effects materials metals alloys L1 STEEL ALUMINUM

DESC: HANDBOOK

DESC: Nuclear Weapon Effects electronic pieceparts L1

DESC: Nuclear Weapon Effects materials plastics resins L1

REPN: GPI 821.074 001 ; BSD TR 64 348

SUJO: 3-211-000 ; 3-220-000 ; 3-241-000 ; 3-243-000 ; 3-244-000

TITL: NUCLEAR RADIATION HARDENING HANDBOOK ISSUE NO. 1-MOBILE MID-RANGE
BALLISTIC MISSILE GUIDANCE AND CONTROL SUBSYSTEM (U), 46 P (U)

TREE: 342

.block

02967

.endblock

.block

copy: 1 id: 39216-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03048

ADNO: 449948

CLSS: U

CONN: AF 33 615 1124

CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OH)

DATE: 6410

DESC: BIBLIOGRAPHY

TITL: RADIATION EFFECTS INFORMATION CENTER, DUAL COORDINATE INDEX FOR
ACCESSION LISTS (U), CIRCA 140 P (U)

.block

03048

.endblock

.block

copy: 1 id: 39236-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03049

ADNO: 449819
AUTH: YOUNG F.H. ; HAMMOND R.R.
CLSS: U
CCDE: ZZ (EARLY MOTION OF UNDERWATER EXPLOSION BUBBLE)
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6406
DESC: Nuclear Weapon Environment Water Shock bubbles L1
DESC: HYDRA CONVENTIONAL SIMULATION ; CODE THEORY EXPERIMENTAL
REPN: USNRDL TR 771
TSHO: UNDERWATER
SUJO: 2-636-000
TITL: HYDRA PROGRAM, A NON-SPHERICAL MODEL DESCRIBING THE MOTION OF A
SHALLOW UNDERWATER EXPLOSION BUBBLE (U), 41 P (U)

.block

03049

.endblock

.block

copy: 1 id: 39237-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03051
ADNO: 449674
AUTH: GARDNER L.B. ; SHOEMAKER N.F.
CLSS: U
CCDE: ZZ (CALCULATES DIFFERENTIAL NEUTRON FLUX SPECTRA, PROGRAM
(INDEPENDENT OF SPECTRUM SHAPE)
CORP: NAVY/NAVAL CIVIL ENGINEERING LABORATORY (PORT HUENEME-CA)
DATE: 6408
DESC: CODE THEORY
DESC: test instruments nuclear radiation neutron L1
REPN: TN N 601
SUJO: 4-342-000
TITL: COMPUTER PROGRAM FOR DIFFERENTIAL NEUTRON FLUX CALCULATION (U),
TECHNICAL NOTE, CIRCA 36 P (U)

.block

03051

.endblock

.block

copy: 1 id: 39239-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03070
ADNO: 447319
AUTH: ALLEN C.S. ; HAWKINS R.G.
CLSS: U
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AFB-NM)
DATE: 6408
DESC: test instruments nuclear radiation L1
DESC: BIBLIOGRAPHY SUMMARY
REPN: WL TDR 64 77

SUJO: 4-340-000
TITL: DOSIMETRY AND INSTRUMENTATION IN NUCLEAR RADIATION RESEARCH (U) 50
P, SURVEY, (U)

TREE: 655

.block

03070

.endblock

.block

copy: 1 id: 39248-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03131

ADNO: 356774

CLSS: SRD

CORP: ARMY/COMBAT DEVELOPMENTS COMMAND (FORT BLISS-TX)

DATE: 6406

DESC: Nuclear Weapon Effects ordnance bombs mines warheads L1

DESC: Nuclear Weapon Effects reentry systems RV L1

DESC: BLAST AND SHOCK NUCLEAR WARHEADS NUCLEAR RADIATION ; TABULAR

REPN: IL 6048 64

SUJO: 3-113-000 ; 3-161-000

TEMP: 45281

TITL: VULNERABILITY OF AERIAL TARGETS TO AIR DEFENSE NUCLEAR WARHEADS (U),
CIRCA 50 P, (SRD)

TREE: 396

.block

03131

.endblock

.block

copy: 1 id: 39293-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03136

ADNO: 351291

AUTH: BENGSTON J. ; BARFIELD W.D.

CLSS: SRD

CORP: INSTITUTE FOR DEFENSE ANALYSES (ARLINGTON-VA)

DATE: 6402

DESC: Nuclear Weapon Environment radiation decay gamma decay L1

DESC: Nuclear Weapon Environment radiation decay isotopic half lives L1

DESC: Nuclear Warfare Strategic defense precursors L1

DESC: THEORY

REPN: P 117

SUJO: 2-223-410 ; 2-223-420 ; 3-424-500

TEMP: 45290

TITL: ON ENHANCING GAMMA-RAY BLACKOUT (U), 25 P (SRD)

.block

03136

.endblock

.block

copy: 1 id: 39298-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 03139
ADNO: 611629
AUTH: GIACCONI R. ; PAOLINI F.R. ; HADLEY W.C. ; TALBOT R.
CLSS: U
CONN: AF 19(628)2799
CORP: AMERICAN SCIENCE AND ENGINEERING INCORPORATED (CAMBRIDGE-MA)
DATE: 6410
DESC: Nuclear Weapon Phenomenology High-Altitude injection trapping L1
DESC: test instruments nuclear radiation beta electron beams L1
DESC: test instruments nuclear radiation proton alpha heavy particle L1
DESC: Nuclear RDT&E Research Program Descriptions EM propagation
atmospheric chemistry L1
REPN: ASE 759 ; AFCRL 64 917
SUJO: 2-217-000 ; 4-120-000 ; 4-343-000 ; 4-344-000
TITL: RESEARCH PROGRAM TO INVESTIGATE ARTIFICIALLY INJECTED TRAPPED
RADIATION (U), FINAL REPORT, 149 P (U)

.block

03139

.endblock

.block

copy: 1 id: 39301-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 03192

ABS: The maximum thermal radiation load to which the cockpit of a
fighter-bomber may be safely subjected was determined
experimentally. Fighter-bombers delivering nuclear weapons under
cloud conditions may encounter these thermal radiation loads. A
static F-100C cockpit was the test vehicle and four human subjects
dressed in full flying equipment were exposed in it to thermal
pulses simulating those of nuclear detonations. An unprotected
cockpit and pilot can be safely subjected to a range from 3 to 5
cal/cm2 if the yield of the weapon is approximately one megaton.
This limit assumes adequate protection for the pilots eyes.
Materials in an unoccupied, unprotected cockpit will smoke profusely
and char (but not flame) under a load of approximately 10 cal/cm2.
Partial cracks will form in the plexiglass canopy under an absorbed
load of approximately 11 cal/cm2.

AUTH: DAVIS H.T. ; KAUFMAN W.C.
CLSS: U
CORP: AIR FORCE/FLIGHT DYNAMICS LABORATORY (WRIGHT PATTERSON AFB-OH)
DATE: 6412
DESC: CONVENTIONAL SIMULATION ; EXPERIMENTAL
DESC: Simulation Facilities Techniques thermal optical L1
DESC: Nuclear Weapon Effects on animals thermal burns heating L1
DESC: Nuclear Weapon Effects flight systems airplanes L1 THERMAL
DESC: Simulation Facilities Techniques biomedical thermal L1

DESC: Nuclear Weapon Effects materials plastics resins L1 RUBBER PLASTIC
REPN: AMRL TR 64 139
SUJO: 3-111-000 ; 3-244-000 ; 3-313-100 ; 4-252-000 ; 4-280-000
TITL: EXPERIMENTAL DETERMINATION OF THE MAXIMUM SAFE THERMAL RADIATION
LOADS FOR A FIGHTER-BOMBER COCKPIT (U), 35 P (U)

TNFF: 5820

.block

03192

.endblock

.block

copy: 1 id: 39322-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03212

ADNO: 609057

AUTH: KERRIS K.G. ; BORDEAUX C.A. ; WHITHAM K.

CLSS: U

CONN: NONR 4359 00

CORP: HUGHES AIRCRAFT COMPANY (FULLERTON-CA)

DATE: 6312

DESC: Simulation Facilities Techniques TREE L1

DESC: THEORY

REPN: FR 64 10 317

SUJO: 4-272-000

TITL: STUDY OF SIMULATION TECHNIQUES FOR LABORATORY SIMULATION OF NUCLEAR
RADIATION ENVIRONMENTS (U), FINAL REPORT, 70 P, (U)

TREE: 642

.block

03212

.endblock

.block

copy: 1 id: 39329-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03247

ADNO: 356532L

AUTH: WATSON K.M. ; BENGSTON J.

CLSS: SRD

CORP: INSTITUTE FOR DEFENSE ANALYSES (ARLINGTON-VA)

DATE: 6407

DESC: THEORY

DESC: Nuclear Weapon Environment X-ray Output source strength total
intensity L1

DESC: Radiation Transport x-ray L1 AIR

REPN: P 147

SUJO: 1-610-000 ; 9-640-000

TEMP: 45565

TITL: CLASSIFIED TITLE (U), 14 P., (SRD)

TREE: 930

.block

03247

.endblock

.block

copy: 1 id: 39344-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03283

ADNO: 350171L

AUTH: SCHUERT E.A. ; WERNER L.B.

CLSS: SRD

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)

DATE: 6401

DESC: SURVEY

DESC: Nuclear Weapon Environment Fallout Radioproperties L1

REPN: DASA 1240 ; USNRDL 479

SUJO: 2-223-000

TEMP: 45631

TITL: NATURE OF THE RADIOACTIVE DEBRIS AND NUCLEAR RADIATION ASSOCIATED
WITH AN UNDERWATER NUCLEAR EXPLOSION (U), 53 P (S)

.block

03283

.endblock

.block

copy: 1 id: 39356-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03300

AUTH: D ARCY R.G. ; COLGATE S.A.

CLSS: U

CONN: W 7405 ENG 48

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)

DATE: 6409

DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum

DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum

REPN: UCRL 12056

SHOT: STARFISH

TSHO: HI-ALT

SUJO: 2-211-000 ; 2-212-000 ; 2-213-000

TITL: MEASUREMENTS AT THE SOUTHERN MAGNETIC CONJUGATE REGION OF THE
FISSION DEBRIS FROM THE STARFISH NUCLEAR DETONATION (U), 34 P (U)

.block

03300

.endblock

.block

copy: 1 id: 39359-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 03332
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA) ; ATOMIC ENERGY
COMMISSION (SAN FRANCISCO-CA)
DATE: 6404
DESC: Nuclear Weapon Environment Ground Shock craters excavations
DESC: SURVEY
DESC: Nuclear Weapon Environment Ground Shock cavities subsidence collapse
DESC: Nuclear Energy Peaceful Applications excavation L1
REPN: TID 7695
SUJO: 2-625-000 ; 2-627-000 ; 3-481-000
TITL: ENGINEERING WITH NUCLEAR EXPLOSIVES (U), PROCEEDINGS OF THE THIRD
PLOWSHARE SYMPOSIUM, 396 P, (U)

.block
03332
.endblock

.block
copy: 1 id: 39369-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 03332-003
AUTH: JOHNSON G.W.
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6404
DESC: SUMMARY
TITL: PLOWSHARE PROGRAM, HISTORY AND GOALS (U)

.block
03332-003
.endblock
.block

copy: 1 id: 39370-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 03332-007
AUTH: FRANK W.J.
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6404
DESC: Nuclear Energy Peaceful Applications economic considerations L1
DESC: SUMMARY
SUJO: 3-488-000
TITL: CHARACTERISTICS OF NUCLEAR EXPLOSIVES (U)

.block
03332-007
.endblock
.block

copy: 1 id: 39371-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 03332-011
AUTH: DORN D.W.
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6404
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Prompt Neutron source strength total
fluence
DESC: Nuclear Weapon Environment Fallout isotope concentrations
SHOT: MIKE ; ANACOSTIA
TSHO: SURFACE ; UG-CONTAINED
SUJO: 1-110-000 ; 2-223-100
TITL: HEAVY ISOTOPE PRODUCTION BY NUCLEAR EXPLOSIVE DEVICES

.block

03332-011

.endblock

.block

copy: 1 id: 39372-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03332-031
AUTH: TALLEY W.K., TELLER E.
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6404
DESC: Nuclear Energy Peaceful Applications basic physical measurements
nuclear cross sections L1
DESC: THEORY
SUJO: 3-486-000
TITL: PROPOSAL OF EXPERIMENTS ON ELECTROMAGNETIC RADIATION FROM A DISTANT
NUCLEAR EXPLOSION (U)

.block

03332-031

.endblock

.block

copy: 1 id: 39375-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03332-037
AUTH: BUTKOVICH T.R.
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6404
DESC: Nuclear Weapon Environment Ground Shock motion strain fracture
displacement particle velocity
DESC: Nuclear Weapon Environment Ground Shock impact pressure stress
DESC: EXPERIMENTAL THEORY
DESC: Nuclear Weapon Environment Ground Shock velocity arrival time

spectrum duration

DESC: Soil Rock Properties Equation of State Conductivity
SHOT: HARDHAT
TSHO: UG-CONTAINED
SUJO: 2-621-000 ; 2-622-000 ; 2-623-000 ; 6-300-000
TITL: CALCULATION OF THE SHOCK WAVE FROM AN UNDERGROUND NUCLEAR EXPLOSION
(U)

.block
03332-037

.endblock

.block

copy: 1 id: 39376-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03332-051
AUTH: NORDYKE M.D.
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6404
DESC: Nuclear Weapon Environment Ground Shock craters excavations
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Ground Shock cavities subsidence collapse
DESC: Nuclear Weapon Environment Ground Shock scaling
SHOT: SEDAN ; NEPTUNE ; SUGAR ; UNCLE ; PRE BUGGY
TSHO: SURFACE ; UG-VENTED ; MULTIPLE
SUJO: 2-624-000 ; 2-625-000 ; 2-627-000
TITL: CRATERING EXPERIENCE WITH CHEMICAL AND NUCLEAR EXPLOSIVES (U)

.block
03332-051

.endblock

.block

copy: 1 id: 39377-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03332-075
AUTH: KNOX J.B., TERHUNE R.W.
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6404
DESC: Nuclear Weapon Environment Ground Shock motion strain fracture
displacement particle velocity
DESC: EXPERIMENTAL THEORY
DESC: Nuclear Weapon Environment Ground Shock craters excavations
SHOT: SCOOTER
TSHO: UG-VENTED
SUJO: 2-621-000 ; 2-625-000
TITL: CALCULATION OF EXPLOSION PRODUCED CRATERS (U)

.block
03332-075

.endblock

.block

copy: 1 id: 39378-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 03332-109
AUTH: BOARDMAN C.R., RABB D.D., MCARTHUR R.D.
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6404
DESC: EXPERIMENTAL THEORY
DESC: Soil Rock Properties Equation of State Conductivity
DESC: Nuclear Weapon Environment Ground Shock scaling
DESC: Nuclear Weapon Environment Ground Shock cavities subsidence collapse
SHOT: RAINIER ; LOGAN ; BLANCA ; PLATTE ; GNOME ; HARDHAT ; MAD ;
STILLWATER ; SHOAL ; BRAZOS
TSHO: UG-CONTAINED
SUJO: 2-624-000 ; 2-627-000 ; 6-300-000
TITL: CONTAINED NUCLEAR DETONATIONS IN FOUR MEDIA, GEOLOGICAL FACTORS IN
CAVITY AND CHIMNEY FORMATION (U)

.block
03332-109

.endblock
.block
copy: 1 id: 39380-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 03332-139
AUTH: WILLIAMSON M.M.
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6404
DESC: Nuclear Weapon Environment fallout intensity contours patterns
DESC: Nuclear Weapon Environment Fallout isotope concentrations
DESC: EXPERIMENTAL
SHOT: SEDAN ; DANNY BOY
TSHO: UG-VENTED ; SURFACE
SUJO: 2-223-100 ; 2-225-100
TITL: FALLOUT CALCULATIONS AND MEASUREMENT (U)

.block
03332-139

.endblock
.block
copy: 1 id: 39382-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 03332-153
AUTH: MISKEL J.A.
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6404
DESC: SUMMARY
DESC: Nuclear Weapon Environment Fallout isotope concentrations
SUJO: 2-223-100

TITL: CHARACTERISTICS OF RADIOACTIVITY PRODUCED BY NUCLEAR EXPLOSIONS (U)

.block

03332-153

.endblock

.block

copy: 1 id: 39383-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03332-161

AUTH: GORMAN J.W.

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)

DATE: 6404

DESC: Nuclear Weapon Effects on animals ionizing radiation

DESC: SUMMARY

SUJO: 3-312-000

TITL: HAZARDS TO MAN FROM RADIOACTIVITY (U)

.block

03332-161

.endblock

.block

copy: 1 id: 39384-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03332-207

AUTH: CAUTHEN L.J.

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)

DATE: 6404

DESC: THEORY EXPERIMENTAL

DESC: Nuclear Weapon Effects structures aboveground components

SHOT: GNOME

TSHO: UG-CONTAINED

SUJO: 3-251-100

TITL: EFFECTS OF SEISMIC WAVES ON STRUCTURES AND OTHER FACILITIES (U)

.block

03332-207

.endblock

.block

copy: 1 id: 39388-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03332-289

AUTH: HECKMAN R.A.

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)

DATE: 6404

DESC: Nuclear Weapon Environment Ground Shock heating thermoluminescence
transitions

DESC: Nuclear Weapon Environment Ground Shock cavities subsidence collapse

DESC: EXPERIMENTAL

SHOT: LOGAN ; BLANCA ; RAINIER ; HARDHAT ; GNOME ; SHOAL
TSHO: UG-CONTAINED
SUJO: 2-627-000 ; 2-629-000
TITL: DISPOSITION OF THERMAL ENERGY BY NUCLEAR EXPLOSIVES (U)

.block
03332-289

.endblock

.block

copy: 1 id: 39392-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03332-371
AUTH: HANSEN S.M., LOMBARD D.B.
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6404
DESC: Nuclear Weapon Environment Ground Shock cavities subsidence collapse
DESC: Nuclear Energy Peaceful Applications resource production quarrying

L1

DESC: SUMMARY
SUJO: 2-627-000 ; 3-483-500
TITL: COMPLETELY CONTAINED NUCLEAR EXPLOSIVES FOR MINING BY CAVING (U)

.block
03332-371

.endblock

.block

copy: 1 id: 39399-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03367
ADNO: 436590
AUTH: BUDKA A.J.
CLSS: U
CCDE: GRATIS
CORP: BALLISTIC RESEARCH LABORATORIES (ABERDEEN PROVING GROUND-MD)
DATE: 6310
DESC: Cross Sections gamma L1
DESC: Cross Sections neutron L1 SECONDARY GAMMAS
DESC: IRON CONCRETE POLYETHYLENE ; TABULAR CODE THEORY
REPN: BRL 1223
SUJO: 9-820-000 ; 9-830-000
TITL: GRATIS-A MONTE CARLO COMPUTER PROGRAM FOR CALCULATING TRANSMISSION
INFORMATIONFOR SECONDARY GAMMA RADIATION (U), 73 P, (U)

TREE: 411

.block
03367

.endblock

.block

copy: 1 id: 39409-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03384
ADNO: 355863L
AUTH: FREEMAN B.E.
CLSS: U
CCDE: ZZ (IMPULSIVE INTERACTION OF THERMAL RADIATION WITH TARGETS WITHIN
THE FIREBALL)
CONN: AF 29 601 6105
CORP: GULF GENERAL ATOMIC INCORPORATED (SAN DIEGO-CA)
DATE: 6308
DESC: equation of state heat of vaporization thermal conductivity opacity
CH2
DESC: Nuclear Weapon Effects materials plastics resins
DESC: Nuclear Weapon Phenomenology Fireball Internal Pressure Temperature
Density Particle Velocities
DESC: CODE THEORY
EFFT: THERMAL
REPN: GAMD 4468
TSHO: HI-ALT
SUJO: 2-130-000 ; 3-244-000 ; 9-710-000
TEMP: 45837
TITL: THERMAL PHENOMENA IN THE FIREBALL (U), 94 P (C)

.block

03384

.endblock

.block

copy: 1 id: 39418-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03388
ADNO: 605458
AUTH: EISENMAN B. ; NAKACHE F.R.
CLSS: U
CCDE: UNC-SAM
CONN: DA 30 069 ORD 3625
CORP: UNITED NUCLEAR CORPORATION (ELMSFORD-NY)
DATE: 6408
DESC: Radiation Transport gamma
DESC: Radiation Transport neutron
DESC: THEORY CODE
REPN: UND 5093
SUJO: 9-620-000 ; 9-650-000
TITL: UNC-SAM, A FORTRAN MONTE CARLO SYSTEM FOR THE EVALUATION OF NEUTRON
OR GAMMA-RAY TRANSPORT IN THREE-DIMENSIONAL GEOMETRY (U), 148 P (U)
TREE: 960 ; 970

.block

03388

.endblock

.block

copy: 1 id: 39421-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 03415-1
ADNO: 444602
AUTH: BARTON J.A., MAR B.W., KEISTER G.L.
CLSS: U
CCDE: ZZ (ELECTRON SHIELDING PROTON SHIELDING RADIATION TRANSPORT DOSE
CALCULATIONS)
CONN: AF 29 601 6061
CORP: BOEING COMPANY (SEATTLE-WA)
DATE: 6408
DESC: Cross Sections electron
DESC: THEORY BIBLIOGRAPHY
REPN: WL TDR 64 71 VOL. I, AFWL TDR 64 71 VOL I
SUJO: 9-850-000
TITL: COMPUTER CODES FOR SPACE RADIATION ENVIRONMENT AND SHIELDING (U),
VOLUME I, TECHNICAL DOCUMENTARY REPORT, 182 P, (U)
TREE: 414

.block
03415-1
.endblock

.block
copy: 1 id: 39441-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 03415-2
ADNO: 446419L
AUTH: HAHN P. ; FUGATE S. ; KUPCHO D. ; BRADICK V.F. ; WILSON R.
CLSS: U
CCDE: (TRAJECTORY AND ENVIRONMENT ; ELECTRON MONTE CARLO ; ELECTRON
PENETRATION BREMSSTRAHLUNG CODE ; PRIMARY PROTON CODE ; SECONDARY
PROTON CODE)
CONN: AF 29 601 6061
CORP: BOEING COMPANY (SEATTLE-WA)
DATE: 6408
DESC: Cross Sections electron
DESC: THEORY CODE
REPN: WL TDR 64 71 VOL II, AFWL TDR 64 71 VOL II
SUJO: 9-850-000
TITL: SPACE RADIATION ENVIRONMENT AND SHIELDING COMPUTER CODES (U), VOLUME
II, TECHNICAL DOCUMENTARY REPORT, CIRCA 600 P, (U)
TREE: 414

.block
03415-2
.endblock

.block
copy: 1 id: 39442-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 03480
ADNO: 349371L
AUTH: WILD J.M. ; TAYLOR T.B. ; FREEMAN B.E. ; PYATT K.D. ; DISMUKES C.R.
; REED L.L. ; WALSH R.T. ; LINDLEY W.B. ; SKINNER M.L. ; TILLOTSON
J.H.
CLSS: SRD
CCDE: MOTET
CONN: AF 29 601 2207
CORP: GENERAL DYNAMICS CORPORATION/GENERAL ATOMICS DIVISION (SAN DIEGO-CA)
DATE: 6403
DESC: CODE THEORY
DESC: Nuclear Weapon Phenomenology Fireball Internal Pressure Temperature
Density Particle Velocities
DESC: Radiation Transport
DESC: Fluid Mechanics hydrodynamics
REPN: RTD TDR 63 3127
SUJO: 2-130-000 ; 9-410-000 ; 9-600-000
TEMP: 47054
TITL: COMPUTER PROGRAM TO SOLVE THE TIME-DEPENDENT HYDRODYNAMIC EQUATIONS
IN TWO DIMENSIONS WITH RADIATION FLOW (U), 303 P (SRD)

.block

03480

.endblock

.block

copy: 1 id: 39490-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03513
AUTH: GRIESINGER D.W.
CLSS: U
CCDE: XFLUX
CORP: GENERAL ELECTRIC COMPANY/TEMPO (SANTA BARBARA-CA)
DATE: 6412
DESC: CODE THEORY
DESC: Radiation Transport x-ray L1
REPN: SP 310
SUJO: 9-640-000
TITL: XFLUX, FORTRAN II CODE FOR CALCULATING X-RAY FLUX CONTOURS IN THE
ATMOSPHERE (U), 14 P (U)

TREE: 980

.block

03513

.endblock

.block

copy: 1 id: 39513-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03539
ADNO: 451315
AUTH: COLVIN T.H. ; MORE K.A.

CLSS: U
CCDE: MONTE CARLO II ; PROBN
CONN: AF 29 601 6018
CORP: BENDIX CORPORATION (ANN ARBOR-MI), AIR FORCE/ WEAPONS LABORATORY
(KIRTLAND AFB-NM)
DATE: 6409
DESC: Radiation Transport gamma L1, 965 L1
DESC: THEORY CODE
REPN: WL TDR 64 73 VOL 2, AFWL TDR 64 73 VOL 2 BSC 42635 1
SUJO: 9-620-000
TITL: NUCLEAR MATERIALS SENSORS STUDY, VOLUME II, BSD TRANSPORT CODE,
FINAL REPORT (U), 255 P (U)
TREE: 960

.block
03539

.endblock

.block

copy: 1 id: 39530-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03618
ADNO: 426763
AUTH: KALTWASSER M.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6310
DESC: Simulation Facilities Techniques blast shock high explosives
DESC: EXPERIMENTAL
REPN: USNRDL TR 702
TSHO: UW
SUJO: 4-216-300
TITL: HYDRA PROGRAM THEORETICAL AND EXPERIMENTAL DETERMINATION OF ENERGY
PARTITIONOF SELECTED UNDERWATER EXPLOSIVES (U), 31 P (U)

.block

03618

.endblock

.block

copy: 1 id: 39589-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03656
ADNO: 341615
CLSS: SRD
CORP: NAVY/DAVID TAYLOR MODEL BASIN (WASHINGTON-DC), NAVY/NAVAL ORDNANCE
LABORATORY (WHITE OAK-MD), NAVY/NAVAL RADIOLOGICAL DEFENSE
LABORATORY (SAN FRANCISCO-CA)
DATE: 6303
DESC: Nuclear Test Simulation Field Programs concepts capability
philosophy
DESC: SUMMARY

REPN: C 1552
TSHO: UW
SUJO: 4-810-000
TEMP: 47413
TITL: RECOMMENDATIONS FOR AN UNDERWATER NUCLEAR WEAPONS TEST PROGRAM,
REPORT TO THE APEX COMMITTEE (U), 16 P (SRD)

.block

03656

.endblock

.block

copy: 1 id: 39602-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03687
AUTH: FRENCH N.R.
CLSS: U
CONN: (04-1) GEN-12
CORP: UNIVERSITY OF CALIFORNIA (LOS ANGELES-CA)
DATE: 6410
DESC: Simulation Facilities Techniques nuclear radiation fallout
simulation
DESC: Simulation Facilities Techniques biomedical nuclear radiation
REPN: UCLA 12 532 ; TID 4500 34TH ED
SUJO: 4-242-000 ; 4-251-000
TITL: DESCRIPTION OF A STUDY OF ECOLOGICAL EFFECTS ON A DESERT AREA FROM
CHRONIC EXPOSURE TO LOW LEVEL IONIZING RADIATION (U), 42 P (U)

.block

03687

.endblock

.block

copy: 1 id: 39618-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03727
AUTH: KOFSKY I.L.
CLSS: SRD
CCDE: ZZ (COMPUTER MAPPING RESULTING FROM MICRODENSITOMETER MEASUREMENT OF
PHOTOGRAPHS OF AIRGLOW)
CONN: AF 19 604 8436
CORP: TECHNICAL OPERATIONS RESEARCH (BURLINGTON-MA)
DATE: 6308
DESC: Emission Spectra of the Atmosphere L9 ECLIPSE AIRGLOW
DESC: JOHNSTON I MAUI HAWAII AIRCRAFT KETTLE 1 AIRCRAFT KETTLE 2 ;
EXPERIMENTAL CODE
DESC: test instruments IR
DESC: Nuclear Test Simulation Field Programs experiment design optical
radiation experiments UV visible IR
DESC: Nuclear Weapon Phenomenology High-Altitude induced airglow
fluorescence
DESC: Nuclear RDT&E Research Program Descriptions EM propagation

atmospheric chemistry
DESC: test instruments visible
DESC: Nuclear Weapon Environment Visible Output source strength total
intensity
DESC: Nuclear Weapon Environment Infrared Output energy spectrum
DESC: Nuclear Weapon Environment Visible Output rate
DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise Rates
REPN: TO B 63 70
SHOT: TIGHTROPE ; BLUEGILL ; CHECKMATE ; STARFISH ; KINGFISH
TSHO: HI-ALT
SUJO: 1-320-000 ; 1-410-000 ; 1-440-000 ; 2-110-000 ; 2-214-000 ;
4-120-000 ; 4-382-000 ; 4-383-000 ; 4-820-600 ; 5-600-000
TEMP: 47667
TITL: OPTICAL AND INFRARED AIRGLOW PHENOMENA, FINAL REPORT (U), 187 P
(SRD)

.block

03727

.endblock

.block

copy: 1 id: 39646-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 03779
ADNO: 368221L
AUTH: BERBERET J.A.
CLSS: U
CONN: AF 08 635 3192
CORP: GENERAL ELECTRIC CO/TEMPO (SANTA BARBARA-CA)
DATE: 6412
DESC: Nuclear Weapon Effects ordnance explosives
DESC: EXPERIMENTAL DATA (PHOTOGRAPHS)
EFFT: NUCLEAR RADIATION
REPN: ATL TDR 64 53 ; TMP 37406
SUJO: 3-163-000
TEMP: 47790
TITL: EFFECTS OF NUCLEAR RADIATIONS ON EXPLOSIVE SOLIDS, FINAL REPORT (1
JANUARY 1965) (U), 92 P (U)

.block

03779

.endblock

.block

copy: 1 id: 39678-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 04084-4
ADNO: 367196
AUTH: SEWARD F.D.
CLSS: SRD
CORP: LAWRENCE RADIATION LAB (LIVERMORE-CA)
DATE: 6410

DESC: nuclear test detection x-ray detection
DESC: nuclear test detection visible light detection
DESC: SUMMARY
REPN: ARPA NTDO 65 117
SUJO: 4-910-900 ; 4-915-000
SYMJ: GROUND-BASED AND SATELLITE SYSTEMS IN HIGH-ALTITUDE NUCLEAR TEST
DETECTION (PROJECT VELA), U.S. TECHNICAL PAPERS PRESENTED ON 19-21
OCTOBER AT THE UNITED KINGDOM ATOMIC ENERGY AUTHORITY, LONDON,
ENGLAND (U)

TITL: DOWNWARD LOOKING TECHNIQUES (U), 8 P (SRD)

.block

04084-4

.endblock

.block

copy: 1 id: 39827-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 04122

ADNO: 349235L

AUTH: SHNIDER R.W.

CLSS: SRD

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)

DATE: 6401

REPN: NRDL 475 ; DASA 1240 1

TEMP: 49329

TITL: INTERACTION OF SURFACE SHIPS WITH THE THERMAL AND RADIOLOGICAL
ENVIRONMENT (U), 130 P., (SRD)

.block

04122

.endblock

.block

copy: 1 id: 39854-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 04350

ADNO: 454707

AUTH: THATCHER R.K. ; HAMMAN D.J. ; CHAPIN W.E. ; HANKS C.L. ; WYLER E.N.

CLSS: U

CONN: AF 33 (615) 1124

CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OHIO)

DATE: 6410

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches

DESC: Nuclear Weapon Effects electronic pieceparts integrated circuits

DESC: Nuclear Weapon Effects electronic pieceparts solar cells

DESC: TABULAR EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts measuring devices
sensors detectors

REPN: REIC 36
SUJO: 3-221-000 ; 3-222-000 ; 3-223-000 ; 3-224-000 ; 3-229-000
TITL: EFFECT OF NUCLEAR RADIATION ON ELECTRONIC COMPONENTS, INCLUDING
SEMICONDUCTORS(U), 222 P (U)

TREE: 310

.block

04350

.endblock

.block

copy: 1 id: 39994-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 04367

ADNO: 607498

AUTH: ZIEGEL F.Y.

CLSS: U

CORP: AIR FORCE/FOREIGN TECHNOLOGY DIVISION (WRIGHT-PATTERSON AIR FORCE
BASE-OHIO)

DATE: 6410

DESC: EXPERIMENTAL SURVEY

DESC: Nuclear Weapon Effects on plants blast shock blowdown

DESC: Nuclear Weapon Environment Airblast static overpressure OVERPRESSURE

DESC: Nuclear Weapon Effects on plants ionizing radiation chronic uptake

LA: USSR

REPN: FTD TT 64 228

SHOT: TUNGUS

TSHO: LOW-ALT

SUJO: 2-611-000 ; 3-331-000 ; 3-332-220

TITL: NUCLEAR EXPLOSION OVER THE TAIGA, A TRANSLATION OF THE RUSSIAN
ZNANIYE-SILA (KNOWLEDGE IS POWER), NR. 12, 1961, PP 24-27, (U), 15 P
(U)

.block

04367

.endblock

.block

copy: 1 id: 40002-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 04457

AUTH: BRUMLEY F.B. ; CORWIN R.W. ; LATTA T.E. ; MEHL C.R. ; TRAPP D.L.

CLSS: SRD-1

CORP: SANDIA CORPORATION (ALBUQUERQUE-NEW MEXICO)

DATE: 6410

DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse width

DESC: ROCKET SKI-166 KAUAI HAWAII ROCKET SKI-195 ROCKET SKI-196 ;
EXPERIMENTAL

DESC: test instruments nuclear radiation gamma

REPN: SC WD 4756 ; RS 3410/250

SHOT: CHECKMATE ; KINGFISH

TSHO: HI-ALT

SOCE: DEV-25
SUJO: 1-740-000 ; 4-341-000
TEMP: 49956
TITL: GAMMA-RAY DIAGNOSTIC EXPERIMENTS ON FISHBOWL (U), 68 P (SRD)
TREE: 910

.block

04457

.endblock

.block

copy: 1 id: 40087-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 04487

ADNO: 371347

AUTH: POLL R.A. ; VAN LINT V.A.J.

CLSS: U

CONN: AF 04 (694) 347

CORP: GD/GENERAL ATOMIC DIVISION (SAN DIEGO-CALIFORNIA)

DATE: 6310

DESC: SUMMARY

DESC: Nuclear Weapon Effects missile systems strategic

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers

DESC: Nuclear Weapon Effects electronic pieceparts integrated circuits

DESC: Nuclear Weapon Effects electronic subsystems guidance control

REPN: GA 4563

SUJO: 3-112-100 ; 3-211-000 ; 3-221-000 ; 3-222-000 ; 3-229-000

TEMP: 51026

TITL: EFFECTS OF PULSED NUCLEAR RADIATION ON MISSILE GUIDANCE ELECTRONICS
(U), 14 P (S)

TREE: 342

.block

04487

.endblock

.block

copy: 1 id: 40114-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 04625

ADNO: 483301

AUTH: BALDWIN A.E. ; CLADIS J.B. ; HAWKINS S.R. ; KOOI C.F. ; MATTES B.L.
; MILLER T.D. ; RIDDLE G.C. ; WEAVER J.L.

CLSS: U

CONN: AF 04 (695) 252

CORP: LOCKHEED MISSILES AND SPACE COMPANY (SUNNYVALE-CALIFORNIA)

DATE: 6405

DESC: Simulation Facilities Techniques nuclear radiation shielding
facilities

DESC: THEORY TABULAR
DESC: Nuclear Weapon Phenomenology High-Altitude injection trapping
DESC: Cross Sections electron
REPN: 8 94 64 2
SUJO: 2-217-000 ; 4-243-000 ; 9-850-000
TITL: FEASIBILITY OF MAGNETIC ORBITAL SHIELDING SYSTEM (U), 169 P (U)

.block

04625

.endblock

.block

copy: 1 id: 40204-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 04628
ADNO: 372959
AUTH: LUCKE D.L. ; ROBINSON C.H. ; ALDERMAN J.O. ; GRIFFITH R.V.
CLSS: SRD-1
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NEW MEXICO)
DATE: 6301
DESC: EXPERIMENTAL
DESC: Cross Sections gamma
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra
DESC: Cross Sections neutron
REPN: AFSWC TDR 62 150 ; SWC TDR 62 150 ; TDR 62 150
SHOT: HARDHAT
TSHO: UG-CONTAINED
SUJO: 2-223-200 ; 9-820-000 ; 9-830-000
TEMP: 51296
TITL: NUCLEAR RADIATION ENVIRONMENT RESULTING FROM UNDERGROUND DETONATIONS
(U), 14 P(SRD)

.block

04628

.endblock

.block

copy: 1 id: 40207-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 04786
ADNO: 357251L
AUTH: SESSLER A.M.
CLSS: SRD-1
CONN: SD 50
CORP: INSTITUTE FOR DEFENSE ANALYSES (ARLINGTON-VIRGINIA) ; LAWRENCE
RADIATION LABORATORY (BERKELEY-CALIFORNIA)
DATE: 6409
DESC: THEORY
DESC: Nuclear Weapon Environment X-ray Output source strength total
intensity
DESC: Nuclear Weapon Environment Initial Gamma source strength total
intensity

DESC: Nuclear Weapon Effects reentry systems RV
EMPF: 396
REPN: P 149
TSHO: HI-ALT
SUJO: 1-610-000 ; 1-710-000 ; 3-113-000
TEMP: 51530
TITL: DIRECT GENERATION, BY INTENSE RADIATION, OF CURRENTS WITHIN MATERIAL
OBJECTS (U), 20 P (SRD)

TREE: 396

.block

04786

.endblock

.block

copy: 1 id: 40270-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 04952

AUTH: AHLERS E.B. ; BARNETT R.L. ; FEINSTEIN D. ; HAFFNER J. ; HUMPHREYS
A. ; MILLERC.A. ; WINGFIELD J.

CLSS: U

CONN: OCD OS 62 202

CORP: ILLINOIS INSTITUTE OF TECHNOLOGY/RESEARCH INSTITUTE
(CHICAGO-ILLINOIS)

DATE: 6309

DESC: THEORY TABULAR

DESC: Nuclear Weapon Effects structures aboveground components

DESC: Nuclear Weapon Effects land transport unhardened vehicles

DESC: Nuclear Weapon Effects structures aboveground cities

DESC: Nuclear Weapon Environment Airblast static overpressure OVERPRESSURE

DESC: Nuclear Warfare Postattack Recovery cities L1

DESC: Nuclear Weapon Effects structures aboveground models

DESC: Nuclear Weapon Effects on animals ionizing radiation

TSHO: SURFACE

SUJO: 2-611-000 ; 3-152-000 ; 3-251-100 ; 3-252-000 ; 3-259-900 ;
3-312-000 ; 3-443-000

TITL: DEBRIS CLEARANCE STUDY, FINAL REPORT (U), 233 P (U)

.block

04952

.endblock

.block

copy: 1 id: 40368-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 05028

ADNO: 358812

AUTH: ENGLAND R.E.

CLSS: SRD

CONN: AF 04 (647) 576

CORP: MARTIN COMPANY (DENVER-COLORADO) ; AERONUTRONIC DIVISION OF PHILCO
CORPORATION(NEWPORT BEACH-CALIFORNIA) ; AIR FORCE/SYSTEMS COMMAND

(NORTON AIR FORCE BASE-CALIFORNIA)

DATE: 6407
DESC: Nuclear Weapon Effects structures hard launch sites electronics
electrical power systems
DESC: THEORY EXPERIMENTAL
DESC: Nuclear Weapon Environment Prompt Neutron dose rate pulse width
DESC: Cross Sections gamma
DESC: Nuclear Weapon Environment Prompt Neutron source strength total
fluence
DESC: Nuclear Weapon Effects missile systems strategic
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse EMP
DESC: RF EMP shielding protection
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers
DESC: Nuclear Weapon Environment Initial Gamma source strength total
intensity
DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse width
DESC: Cross Sections neutron
DESC: Nuclear Weapon Effects electrical mechanical cables wires
EMPF: 365 ; 362
REPN: CR 64 70 ; BSD TR 65 99
TSHO: SURFACE
SUJO: 1-110-000 ; 1-140-000 ; 1-710-000 ; 1-740-000 ; 2-510-000 ;
3-112-100 ; 3-116-300 ; 3-221-000 ; 3-231-000 ; 9-810-000 ;
9-820-000 ; 9-830-000
SYST: TITAN MISSILE AND LAUNCH FACILITY
TEMP: 51871
TITL: TITAN II WEAPON SYSTEM NUCLEAR AND ELECTROMAGNETIC RADIATION
VULNERABILITY REPORT (U), 426 P (SRD)

TREE: 392

.block

05028

.endblock

.block

copy: 1 id: 40424-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 05043
ADNO: 442343
AUTH: KOT C.A.
CLSS: U
CONN: N 228 (217) 52717
CORP: ILLINOIS INSTITUTE OF TECHNOLOGY/RESEARCH INSTITUTE
(CHICAGO-ILLINOIS) ; NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)

DATE: 6404
DESC: THEORY
DESC: Nuclear Weapon Environment Water Shock bubbles
REPN: ARF 86019 4 ; USNRDL TR 747
SUJO: 2-636-000
TITL: THEORETICAL STUDY OF BUBBLE BEHAVIOR IN UNDERWATER EXPLOSIONS, HYDRA
PROGRAM (U), 80 P (U)

.block

05043

.endblock

.block

copy: 1 id: 40436-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 05082

AUTH: JOHNSON L.D.

CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)

DATE: 6307

REPN: 140 ; TM 140

TSHO: UW

TITL: HYDRA PROGRAM, HYDRA IIA SERIES DESCRIPTION OF TEST SITE,
INSTALLATION OF INSTRUMENT ARRAY, AND USE OF OPERATIONAL FACILITIES
(U), 45 P (U)

.block

05082

.endblock

.block

copy: 1 id: 40460-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 05202

ADNO: 384219L

AUTH: DERKSEN W.L. ; POPKIN M.A. ; HIRSCHMAN A. ; DEBOLD F.C. ; WILLIS
F.W. ; HEILFERTY R.J.

CLSS: SRD

CORP: NAVY/NAVAL APPLIED SCIENCE LABORATORY (BROOKLYN-NEW YORK)

DATE: 6309

DESC: Nuclear Weapon Environment Infrared Output rate

DESC: Nuclear Weapon Environment Visible Output rate

DESC: Nuclear Weapon Environment Visible Output energy spectrum

DESC: JOHNSTON I ; EXPERIMENTAL

SHOT: SWANEE ; NAMBE ; YESO ; HARLEM ; CHAMA ; CALAMITY ; HOUSATONIC ;
STARFISH ; BLUEGILL ; KINGFISH ; TIGHTROPE ; TANANA ; ENCINO ;
CHECKMATE

TSHO: LOW-ALT ; HI-ALT

SUJO: 1-340-000 ; 1-420-000 ; 1-440-000

TEMP: 53172

TITL: THERMAL RADIATION MEASUREMENTS, OPERATION DOMINIC, LAB PROJECT
5046-30, FINAL REPORT (U), 360 P (SRD)

.block

05202

.endblock

.block

copy: 1 id: 40555-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 05618
ADNO: 364628
AUTH: MILLER S.S.
CLSS: U (DECLASSIFIED)
CONN: NOW 62 0604 C
CORP: CHEMICAL PROPULSION INFORMATION AGENCY (SILVER SPRING, MD)
DATE: 6308
DESC: Nuclear Weapon Effects materials carbon
DESC: SURVEY
DESC: Nuclear Weapon Effects ordnance propellants liquid L1
DESC: Nuclear Weapon Effects ordnance propellants solid L1
REPN: CPIA 31 ; AD 364628
SUJO: 3-164-000 ; 3-165-000 ; 3-248-000
TITL: SURVEY OF RADIATION EFFECTS ON PROPELLENTS (U), 42 P., (U)

.block

05618

.endblock

.block

copy: 1 id: 40754-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 05851
ADNO: 350547
AUTH: KSANDA C.F.
CLSS: C
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CALIFORNIA)
DATE: 6312
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra
DESC: Nuclear Weapon Environment fallout transfer
DESC: THEORY EXPERIMENTAL
REPN: USNRDL TR 725
SHOT: SWORDFISH ; WIGWAM ; WAHOO
TSHO: UW
SUJO: 2-223-200 ; 2-224-300
TEMP: A5325
TITL: ANALYSIS AND PREDICTION OF THE PROPERTIES OF DIFFUSING RADIOACTIVE POOLS FROM NUCLEAR EXPLOSIONS IN THE OCEAN (U), 51 P (C)

.block

05851

.endblock

.block

copy: 1 id: 40895-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 05868
ADNO: 405836

AUTH: WEAVER L.E. ; STROM P.O. ; KILLEEN P.A.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CALIFORNIA)
DATE: 6303
DESC: TABULAR
DESC: Orbital Mechanics
DESC: Nuclear Weapon Environment radiation decay
REPN: USNRDL TR 633
SUJO: 2-223-400 ; 9-100-000
TITL: ESTIMATED TOTAL CHAIN AND INDEPENDENT FISSION YIELDS FOR SEVERAL NEUTRON-INDUCED FISSION PROCESSES (U), 41 P (U)

.block

05868

.endblock

.block

copy: 1 id: 40907-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06019
AUTH: JAMES R.A.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6402
DESC: Nuclear Weapon Effects on animals ionizing radiation chronic
internal
DESC: SUMMARY
DESC: Nuclear Weapon Environment Fallout isotope concentrations
REPN: UCRL 7716 ; TID 4500
SUJO: 2-223-100 ; 3-312-220
TITL: CALCULATION OF RADIOACTIVE IODINE CONCENTRATIONS IN MILK AND HUMAN THYROID AS A RESULT OF NUCLEAR EXPLOSIONS (U), 19 P (U)

.block

06019

.endblock

.block

copy: 1 id: 41050-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06086-20
AUTH: KNOX J.B.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6410
DESC: EXPERIMENTAL THEORY
DESC: Nuclear Weapon Phenomenology cloud shape size
DESC: Nuclear Weapon Environment radiation decay gamma decay
DESC: Nuclear Weapon Phenomenology base surge

DESC: Nuclear Weapon Environment fallout intensity contours patterns
DESC: Nuclear Weapon Environment fallout down fraction
REPN: CONF 765 ; UCRL 12125
SHOT: SEDAN ; DANNY BOY ; SUGAR ; UNCLE ; SEDAN ; DANNY BOY ; NEPTUNE ;
BLANCA
TSHO: UG-VENTED
SUJO: 2-223-420 ; 2-224-120 ; 2-224-140 ; 2-225-100 ; 2-225-200
SYMJ: RADIOACTIVE FALLOUT FROM NUCLEAR WEAPONS TESTS (U)
TITL: PREDICTION OF FALLOUT FROM SUBSURFACE NUCLEAR DETONATIONS (U), 22 P
(U)

.block

06086-20

.endblock

.block

copy: 1 id: 41129-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06462
ADNO: 821932
AUTH: MOSTOW W. ; CASSIDY S.H. ; SHAPIRO E.S. ; FREUND D.
CLSS: U
CONN: AT (49 7) 2236
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6412
DESC: TABULAR
DESC: Nuclear Weapon Effects on animals ionizing radiation chronic
external
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra
REPN: USNRDL TR 803
SUJO: 2-223-200 ; 3-312-210
TITL: DEMOGRAPHIC RESPONSE TO NUCLEAR ATTACK IN THE STATE OF CALIFORNIA
(U), 57 P (U)

.block

06462

.endblock

.block

copy: 1 id: 41319-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06842
ADNO: 390254
AUTH: WILKINS M.L. ; SQUIER B. ; HALPERIN B.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6404
DESC: THEORY EXPERIMENTAL
DESC: Simulation Facilities Techniques blast shock high explosives
REPN: UCRL 7797

SUJO: 4-216-300
TITL: EQUATION OF STATE OF PBX 9404 AND LX 04-01 (U), 17 P (U)

.block
06842

.endblock

.block

copy: 1 id: 41598-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06968
ADNO: 388741
AUTH: COYLE L.M.
CLSS: SRD
CONN: AF 04 (694) 239
CORP: AVCO CORPORATION (WILMINGTON-MASSACHUSETTS) ; AIR FORCE/SPACE AND
MISSILE SYSTEMS ORGANIZATION (NORTON AIR FORCE BASE-CALIFORNIA)

DATE: 6310
DESC: Nuclear Weapon Effects reentry systems RV
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches
DESC: Nuclear Weapon Effects materials metals alloys
DESC: Nuclear Weapon Effects materials plastics resins
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers
DESC: Nuclear Weapon Environment Prompt Neutron source strength total
fluence
DESC: Nuclear Weapon Environment Initial Gamma source strength total
intensity
REPN: RAD TM 63 67
SHOT: SMALLBOY
TSHO: SURFACE
SUJO: 1-110-000 ; 1-710-000 ; 3-113-000 ; 3-221-000 ; 3-229-000 ;
3-243-000 ; 3-244-000

TEMP: 57846
TITL: AVCO CORPORATION COMPONENT AND MATERIAL TESTS AT THE SMALL BOY EVENT
(TASK 5.2NUCLEAR RADIATION EFFECTS REST PROJECT) (U), 55 P (SRD)
TREE: 310

.block
06968

.endblock

.block

copy: 1 id: 41673-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06981
AUTH: NOH W.F.
CLSS: U
CCDE: CEL
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)

DATE: 6308
DESC: Fluid Mechanics hydrodynamics
DESC: THEORY CODE
REPN: UCRL 7463
SUJO: 9-410-000
TITL: CEL A TIME DEPENDENT, TWO SPACE DIMENSIONAL, COUPLED
EULERIAN-LAGRANGE CODE (U), 69 P (U)

.block
06981
.endblock

.block
copy: 1 id: 41697-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06982
AUTH: WILKINS M.L.
CLSS: U
CCDE: HEMP
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6304
DESC: Fluid Mechanics hydrodynamics
DESC: THEORY CODE
DESC: equation of state heat of vaporization thermal conductivity opacity
REPN: UCRL 7322
SUJO: 9-410-000 ; 9-710-000
TITL: CALCULATION OF ELASTIC-PLASTIC FLOW (U), 61 P (U)

.block
06982
.endblock

.block
copy: 1 id: 41698-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06984
AUTH: MAENCHEN G. ; SACK S.
CLSS: U
CCDE: TENSOR
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6304
DESC: Fluid Mechanics hydrodynamics
DESC: CODE THEORY
REPN: UCRL 7316
SUJO: 9-410-000
TITL: TENSOR CODE (U), 32 P (U)

.block
06984
.endblock

.block
copy: 1 id: 41700-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06987
AUTH: BUTKOVICH T.R.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6405
DESC: Soil Rock Properties Equation of State Conductivity
DESC: Nuclear Weapon Environment Ground Shock impact pressure stress
DESC: Nuclear Weapon Environment Ground Shock velocity arrival time
spectrum duration
DESC: EXPERIMENTAL TABULAR
REPN: UCRL 7762 REV. 1
SHOT: HARDHAT
TSHO: UG-CONTAINED
SUJO: 2-622-000 ; 2-623-000 ; 6-300-000
TITL: CALCULATION OF THE SHOCK WAVE FROM AN UNDERGROUND NUCLEAR EXPLOSION
IN GRANITE(U), 19 P (U)

.block

06987

.endblock

.block

copy: 1 id: 41703-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 07368
AUTH: NAKADA M.P.
CLSS: U
CORP: NASA/GODDARD SPACE FLIGHT CENTER (GREENBELT-MD)
DATE: 6401
DESC: EXPERIMENTAL THEORY
DESC: Nuclear Weapon Phenomenology High-Altitude injection trapping
DESC: Nuclear Weapon Environment Induced Synchrotron Noise
REPN: NASA TN D 2097
SHOT: STARFISH
TSHO: LOW-ALT ; HI-ALT ; HI-ALT
SUJO: 2-217-000 ; 2-420-000
TITL: SYNCHROTRON RADIATION CALCULATIONS FOR THE ARTIFICIAL RADIATION BELT
(U), 12 P(U)

.block

07368

.endblock

.block

copy: 1 id: 41936-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 07717
ADNO: 349993
AUTH: ABEL J.E. ; MAPES J.E. ; LEVY P.W.

CLSS: C
CORP: PICATINNY ARSENAL (DOVER-NJ)
DATE: 6404
DESC: Nuclear Weapon Effects ordnance propellants solid L1 NUCLEAR
RADIATION
DESC: EXPERIMENTAL
REPN: TR 3114
SUJO: 3-164-000
TEMP: 59235
TITL: EFFECTS OF GAMMA-RAY IRRADIATION ON M1 PROPELLANT (U), TECHNICAL
REPORT, CIRCA25 P, (C)

.block

07717

.endblock

.block

copy: 1 id: 42009-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 07719
ADNO: 460982
CLSS: U
CONN: AF 49 638 1125
CORP: RADIATION APPLICATIONS INCORPORATED (LONG ISLAND CITY-NY)
DATE: 6402
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects ordnance propellants solid L1 NUCLEAR
RADIATION SIMULATION
SUJO: 3-164-000
TITL: RADIATION-INDUCED SOLID PROPELLANT DECOMPOSITION (U), TECHNICAL
STATUS REPORT,7 P (U)

.block

07719

.endblock

.block

copy: 1 id: 42011-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 07721
AUTH: CASTORINA T.C.
CLSS: U
CORP: PICATINNY ARSENAL (DOVER-NJ)
DATE: 6305
DESC: Nuclear Weapon Effects ordnance explosives L1 NUCLEAR RADIATION
SIMULATION
REPN: TR 3072
SUJO: 3-163-000
TITL: COBALT-60 GAMMA RADIOLYSIS OF LIQUID DINITROGEN TETROXIDE (U), 59 P
(U)

.block

07721

.endblock

.block

copy: 1 id: 42013-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 07722
AUTH: MALLAY J.F. ; PRASK H.J. ; CERNY J.
CLSS: U
CORP: PICATINNY ARSENAL (DOVER-NJ)
DATE: 6406
DESC: EXPERIMENTAL THEORY
DESC: Nuclear Weapon Effects ordnance explosives L1 NUCLEAR RADIATION
SIMULATION
REPN: TR 3157
SUJO: 3-163-000
TITL: INADEQUACY OF THERMAL INITIATION THEORY IN INTERPRETING RESULTS OF
FISSION-FRAGMENT IRRADIATION OF EXPLOSIVES AT ELEVATED TEMPERATURES,
(U), TECHNICAL REPORT, 15 P (U)

.block

07722

.endblock

.block

copy: 1 id: 42014-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 07723
ADNO: 604475
AUTH: ODIAN G. ; ACKER T. ; PLETZKE T. ; HENLEY E. ; MCALEVY R.F.
CLSS: U
CONN: AF 49(638)-1125
CORP: RADIATION APPLICATIONS INCORPORATED (LONG ISLAND CITY-NY)
DATE: 6401
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects ordnance propellants solid L1 NUCLEAR
RADIATION SIMULATION
REPN: RAI 331
SUJO: 3-164-000
TITL: RADIATION-INDUCED SOLID PROPELLANT DECOMPOSITION (U), 27 P,
TECHNICAL REPORT FOR THE PERIOD DECEMBER 1, 1962 TO NOVEMBER 30,
1963, (U)

.block

07723

.endblock

.block

copy: 1 id: 42015-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08161

ABS: Discussed here are the radiological safety problems related to the joint AEC-DoD-UK research program, Roller Coaster, for the evaluation of the storage, handling, and transportation criteria of plutonium-bearing weapons and to the post-test cleanup. The program included four experimental detonations : double tracks, in which the biological hazard of scattered plutonium was investigated? Clean Slates one, two, and three, in which the scavenging effect of earth covering of storage structures was evaluated.

AUTH: BURNETT W.D. ; RARRICK H.L. ; TUCKER G.E. JR.
CLSS: U
CORP: SANDIA CORPORATION (ALBUQUERQUE-NM)
DATE: 6401
DESC: EXPERIMENTAL
DESC: Nuclear weapon safety radiological
DESC: Nuclear Weapon Test safety
REPN: SC 4973 (RR)
SUJO: 4-838-100 ; 4-856-000
TITL: HEALTH PHYSICS ASPECTS OF OPERATION ROLLER COASTER (U), 38 P (U)
TNFF: 8859

.block

08161

.endblock

.block

copy: 1 id: 42340-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08179
AUTH: BIGGS F.
CLSS: U
CORP: SANDIA CORPORATION(ALBUQUERQUE-NM)
DATE: 6302
DESC: Nuclear Weapon Effects meteorological Atmospheric Heating
DESC: Radiation Transport x-ray
DESC: Nuclear Weapon Environment X-ray Output source strength total
intensity
DESC: THEORY
REPN: SC 4759 (RR)
TSHO: HI-ALT
SUJO: 1-610-000 ; 2-730-000 ; 9-640-000
TITL: DISTRIBUTION OF ABSORBED X-RAY ENERGY IN THE ATMOSPHERE (U), 17 P
(U)
TREE: 980

.block

08179

.endblock

.block

copy: 1 id: 42357-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08211

ADNO: 337534
AUTH: BELL J.E. ; PIZAREK R.H. ; HELMS R.L. ; WALKER K.R.
CLSS: SRD
CONN: AF 29 (601) 4743
CORP: HUGHES AIRCRAFT COMPANY (FULLERTON-CA) ; AIR FORCE/WEAPONS
LABORATORY (KIRTLAND AIR FORCE BASE-NM)
DATE: 6301
DESC: Nuclear Weapon Effects electronic subsystems recorders amplifiers
DESC: ANALOG COMPUTER SIMULATION ; THEORY EXPERIMENTAL TABULAR
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers
EFFT: TREE
REPN: AFSWC TDR 62 118 SUPPL
SUJO: 3-213-000 ; 3-221-000
TEMP: 61245
TITL: THEORETICAL STUDY OF BURST-INDUCED TRANSIENT RADIATION EFFECTS IN
BASIC ELECTRONIC CIRCUITS (U), 257 P (SRD)
TREE: 369

.block

08211

.endblock

.block

copy: 1 id: 42388-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08227
ADNO: 424937
AUTH: STUART R.S.
CLSS: U
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NM)
DATE: 6310
DESC: THEORY
DESC: Radiation Transport visible
DESC: Solid Mechanics
DESC: Radiation Transport x-ray
DESC: Absorption Spectrum Transmission Opacity of Natural Heated Air
REPN: RTD TDR 63 3087
SUJO: 5-200-000 ; 9-200-000 ; 9-630-000 ; 9-640-000
TITL: AIR FORCE WEAPONS LABORATORY CONFERENCE ON OPACITIES (U), 340 P (U)
TREE: 980

.block

08227

.endblock

.block

copy: 1 id: 42404-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08242
ADNO: 297848
AUTH: BELL J.E. ; PIZAREK R.H. ; HELMS R.L. ; WALKER K.R.

CLSS: U
CCDE: ZZ
CONN: AF 29 (601) 4743
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NM) ; HUGHES
AIRCRAFT COMPANY (FULLERTON-CA)
DATE: 6301
DESC: CODE TABULAR
DESC: Nuclear Weapon Effects electronic subsystems analysis circuit
network
EFFT: TREE
REPN: AFSWC TDR 62 118
SUJO: 3-219-000
TITL: THEORETICAL STUDY OF BURST-INDUCED TRANSIENT RADIATION EFFECTS IN
BASIC ELECTRONIC CIRCUITS, TECH DOC. REPT (U), 405 P (U)
TREE: 330
.block
08242
.endblock
.block
copy: 1 id: 42417-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08333
ADNO: 405159
CLSS: U
CONN: AF 29 (601) 5405
CORP: FRANKLIN SYSTEMS INCORPORATED (WEST PALM BEACH-FL) ; AIR
FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NM)
DATE: 6304
DESC: test instruments nuclear radiation gamma L1 SURVEY INST. FOR
DECONTAMINATION
REPN: AFSWC TDR 63 28
SUJO: 4-341-000
TITL: INVESTIGATION, CONCEPTUAL DESIGN AND OPERATIONAL USE OF A
DIRECTIONAL NUCLEAR RADIATION DETECTOR, FINAL REPORT (U), 62 P (U)
TREE: 651
.block
08333
.endblock
.block
copy: 1 id: 42478-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08337
ADNO: 405122
AUTH: HOALST K.M.
CLSS: U
CONN: AF 29 (601) 4607
CORP: HUGHES RESEARCH LABORATORY (MALIBU-CA) ; AIR FORCE/WEAPONS
LABORATORY (KIRTLAND AIR FORCE BASE-NM)

DATE: 6304
DESC: test instruments biomedical simulants phantoms models
DESC: test instruments biomedical
REPN: AFSWC TDR 63 19
SUJO: 4-351-000 ; 4-352-000
TITL: DESIGN AND FABRICATION OF RADIATION DOSIMETRY INSTRUMENTS FOR TISSUE
EQUIVALENT PLASTIC MANIKINS, FINAL REPORT (U), 42 P (U)

.block

08337

.endblock

.block

copy: 1 id: 42482-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08341
ADNO: 421596
AUTH: ODLAND L.T.
CLSS: U
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NM)
DATE: 6310
DESC: test instruments biomedical
DESC: Nuclear Weapon Effects on animals ionizing radiation chronic
internal
REPN: RTD TDR 63 3049
SUJO: 3-312-220 ; 4-351-000
TITL: BIOLOGICAL DOSIMETRY OF IONIZING RADIATION AS APPLIED TO TRIAGE OF
CASUALTIES FOLLOWING A THERMONUCLEAR DETONATION (U), 20 P (U)

.block

08341

.endblock

.block

copy: 1 id: 42484-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08342
ADNO: 432686
AUTH: GRIFFITH R.V. ; MURPHY H. ; WOOD D.
CLSS: U
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NM)
DATE: 6401
DESC: test instruments nuclear radiation gamma
DESC: test instruments nuclear radiation dosimeters radiacs
DESC: test instruments nuclear radiation neutron
DESC: SURVEY
REPN: AFSWC TDR 62 107
SUJO: 4-341-000 ; 4-342-000 ; 4-346-000
TITL: PASSIVE DOSIMETRY ANALYSIS TECHNIQUES (U), 29 P (U)
TREE: 655

.block

08342

.endblock

.block

copy: 1 id: 42485-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08343
ADNO: 418589
AUTH: LIVINGSTON P.M.
CLSS: U
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NM)
DATE: 6309
DESC: THEORY
DESC: test instruments nuclear radiation gamma
REPN: RTD TDR 63 3063
SUJO: 4-341-000
TITL: TRANSIENT RESPONSE OF CERTAIN ION CHAMBERS TO SHORT RADIATION
PULSES, TECH DOC. REPT. (U), 27 P (U)
TREE: 651

.block

08343

.endblock

.block

copy: 1 id: 42486-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08366
ADNO: 458763
AUTH: RUSSELL R.L. ; BELL J.E.
CLSS: U
CONN: AF 29 (601) 6282
CORP: HUGHES AIRCRAFT COMPANY (FULLERTON-CA) ; AIR FORCE/WEAPONS
LABORATORY (KIRTLAND AIR FORCE BASE-NM)
DATE: 6411
DESC: FOREST CIRCUITS ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers
DESC: Nuclear Weapon Effects electronic pieceparts
EFFT: TREE ; NUCLEAR RADIATION
REPN: WL TR 64 121
SUJO: 3-220-000 ; 3-221-000
TITL: DEVELOPMENT OF RADIATION HARDENED READOUT CIRCUITS, FINAL REPORT
(U), 187 P (U)
TREE: 330

.block

08366

.endblock

.block

copy: 1 id: 42508-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08483
ADNO: 346819
AUTH: ULBERG J.C.
CLSS: CFRD
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6309
DESC: THEORY EXPERIMENTAL
DESC: Nuclear Weapon Environment fallout transfer
DESC: Nuclear Weapon Phenomenology base surge
REPN: USNRDL TR 696
TSHO: UW
SUJO: 2-224-120 ; 2-224-300
TEMP: A5327
TITL: MATHEMATICAL MODEL FOR PREDICTING RAIN-OUT BY WATER DROP COALESCENCE
IN BASE SURGE AEROSOLS (U), 41 P (CFRD)

.block

08483

.endblock

.block

copy: 1 id: 42606-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08484
ADNO: 348087
AUTH: MILLER W.G. ; SHUMWAY B.W. ; TOMOEDA S. ; PLUMMER G.E. ; HASTINGS
M.B.
CLSS: C
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6401
DESC: Nuclear Weapon Effects on animals ionizing radiation chronic
external
DESC: EXPERIMENTAL
DESC: Cross Sections gamma
EFFT: FALLOUT
REPN: USNRDL TR 711
SUJO: 3-312-210 ; 9-830-000
TEMP: A5324
TITL: SEMI-EMPIRICAL DETERMINATION OF DOSE RATES WITHIN A DESTROYER
ENVELOPED BY A CLOUD OF CO 60 (U), 21 P (C)

.block

08484

.endblock

.block

copy: 1 id: 42607-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08485
ADNO: 346665

AUTH: STROPE W.E.
CLSS: CFRD
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6311
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment fallout arrival time
DESC: Nuclear Weapon Environment fallout intensity contours patterns
DESC: Nuclear Weapon Phenomenology base surge
REPN: USNRDL TR 687
SHOT: BAKER(XRD)
TSHO: UW
SUJO: 2-224-120 ; 2-225-100 ; 2-225-300
TEMP: A5323
TITL: INVESTIGATION OF GAMMA RADIATION HAZARDS INCIDENT TO AN UNDERWATER
ATOMIC EXPLOSION (U), 139 P (CFRD)

.block

08485

.endblock

.block

copy: 1 id: 42608-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08491
ADNO: 454481
AUTH: SHAPIRO W.M. ; MOSTOW W. ; CASSIDY S.H.
CLSS: U
CCDE: ZZ
CONN: AT (49 7) 2236
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6412
DESC: THEORY CODE
REPN: USNRDL TR 801
TITL: METHODOLOGY FOR STUDYING TARGET RESPONSE TO NUCLEAR ATTACK (U), 37 P
(U)

.block

08491

.endblock

.block

copy: 1 id: 42613-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08537
ADNO: 338980
AUTH: BUTLER C.P.
CLSS: CRD
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6304
DESC: Nuclear Weapon Phenomenology Fireball Energy Partition Energy
Coupling
DESC: Nuclear Weapon Environment Thermal Output source strength total

intensity

DESC: EXPERIMENTAL
REPN: USNRDL TR 635 ; AD 338980
SHOT: SMALLBOY
TSHO: SURFACE
SUJO: 1-210-000 ; 2-150-000
TEMP: A7361
TITL: THERMAL EFFICIENCY OF A LAND-SURFACE NUCLEAR DETONATION (U), 13 P
(CRD)

.block

08537

.endblock

.block

copy: 1 id: 42650-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08539

ABS: This Volume was prepared primarily to supplement the basic radiological data presented in volumes I and II, and to provide instructors with more detailed information of the biological effects of radiation, radiation phenomenology, radiation instruments, and health physics data. Secondly, it provides the industrious student and radiological safety personnel with additional reference material. Although some of the information may be found in other texts, such as "The Effects of Nuclear Weapons," and in other references as listed on page 79, Volume III was prepared to provide sufficient data to teach radiological safety from one series of texts, "The Principles of Radiation and Contamination Control" (PORACC). A reader with one or two years college training should easily understand the material in this document.

ADNO: 443526

AUTH: SULIT R.A. ; LEAHY E.J. ; BAIETTI A.L.

CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)

DATE: 6400

DESC: test instruments nuclear radiation

DESC: Cross Sections neutron

DESC: CONCRETE AL WATER ; HANDBOOK

DESC: Cross Sections gamma

DESC: Nuclear Weapon Effects on animals ionizing radiation chronic

DESC: Nuclear Weapon Environment radiation decay gamma decay

DESC: Cross Sections electron

DESC: Nuclear Weapon Environment Fallout gamma intensities spectra

DESC: Nuclear Weapon Environment radiation decay isotopic half lives

REPN: NAVSHIPS 250 341 3

SUJO: 2-223-200 ; 2-223-410 ; 2-223-420 ; 3-312-200 ; 4-340-000 ;

9-820-000 ; 9-830-000 ; 9-850-000

TITL: PRINCIPLES OF RADIATION AND CONTAMINATION CONTROL, VOLUME THREE,
TECHNICAL INFORMATION RELATING TO NUCLEAR WEAPONS EFFECTS (U), 154 P
(U)

.block

08539

.endblock

.block

copy: 1 id: 42652-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08540
ADNO: 426165
AUTH: VUILLEMOT F.L.
CLSS: O
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6307
DESC: Nuclear Test Simulation Field Programs experiment design photography
DESC: TABULAR
REPN: 135 ; R AND L 135
SHOT: SMALLBOY ; SEDAN ; JOHNNIE BOY
SUJO: 4-826-000
TITL: REVIEW OF AERIAL PHOTOGRAPHIC OPERATIONS AND SURFACE MARKINGS OF
NUCLEAR EXPLOSIONS, NEVADA TEST SITE, REVIEWS AND LECTURES (U), 40 P
(OUO)

.block

08540

.endblock

.block

copy: 1 id: 42653-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08573
ADNO: 609734
AUTH: SARTOR J.D. ; LARIVIERE P.D. ; LEE H. ; POND J.I.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6304
DESC: SUMMARY
DESC: Civil Defense shelters L1
REPN: USNRDL TR 647
SUJO: 3-474-000
TITL: DESIGN AND PERFORMANCE OF A FALLOUT-TESTING MANNED SHELTER STATION
AND ITS SUITABILITY AS A SINGLE-FAMILY SHELTER (U), 47 P (U)

.block

08573

.endblock

.block

copy: 1 id: 42680-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08587
ADNO: 402293
AUTH: FREILING E.C. ; RAINEY S.C.

CLSS: U
CONN: AT (49 7) 1963
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6303
DESC: THEORY
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra
DESC: Nuclear Weapon Environment fallout fractionation
REPN: USNRDL TR 631
SUJO: 2-223-200 ; 2-223-500
TITL: FRACTIONATION II. ON DEFINING THE SURFACE DENSITY OF CONTAMINATION
(U), 17 P (U)

.block

08587

.endblock

.block

copy: 1 id: 42693-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08588
ADNO: 431227
AUTH: FREILING E.C. ; KAY M.A. ; SANDERSON J.V.
CLSS: U
CONN: AT (49 7) 1963
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6401
DESC: Nuclear Weapon Environment fallout fractionation
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra
DESC: Nuclear Weapon Environment radiation decay gamma decay
DESC: THEORY
REPN: USNRDL TR 715
SUJO: 2-223-200 ; 2-223-420 ; 2-223-500
TITL: FRACTIONATION IV. ILLUSTRATIVE CALCULATIONS OF THE EFFECT OF
RADIONUCLIDE FRACTIONATION ON EXPOSURE-DOSE RATE FROM LOCAL FALLOUT
(U), 27 P (U)

.block

08588

.endblock

.block

copy: 1 id: 42694-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08612
ABS: Recommendations are presented to update the current doctrine for
nuclear warfare defense in NWIP 50-1(a), battle control. This report
summarizes militarily significant weapon effects? countermeasures
against these effects? radiation exposure guidance? and shipboard
organization and procedures for the collection, display, evaluation,
and dissemination of nuclear burst information and for the control
of the various phases of nuclear-warfare operations.
ADNO: 357358

AUTH: SULIT R.A. ; LEAHY E.J. ; WUBENHORST R.F.
CLSS: C
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6309
DESC: Nuclear Weapon Effects on animals ionizing radiation
DESC: HANDBOOK
DESC: Nuclear Warfare Theater operations scenarios defense
DESC: Nuclear Warfare Theater tactical navy ASW L1
REPN: USNRDL 473
SUJO: 3-312-000 ; 3-411-400 ; 3-412-400
TEMP: A5316
TITL: PROPOSED DOCTRINE FOR SHIPBOARD NUCLEAR DEFENSE (U), 76 P (C)
TNFF: 5200 ; 5730

.block

08612

.endblock

.block

copy: 1 id: 42725-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08618
ADNO: 362239
AUTH: SULIT R.A. ; SINCLAIR K.F. ; KIYOI G.T. ; VUILLEMOT F.L.
CLSS: C
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6306
DESC: nuclear test detection bomb alarm display systems
DESC: SUMMARY
DESC: nuclear test detection debris fallout
REPN: USNRDL 472
SUJO: 4-919-000 ; 4-920-000
TEMP: 77527
TITL: NEWRADs-NUCLEAR EXPLOSION WARNING AND RADIOLOGICAL DATA SYSTEM (U),
36 P (C)

.block

08618

.endblock

.block

copy: 1 id: 42730-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08633
ADNO: 603228
AUTH: ZAGORITES H.A. ; LEE D.Y.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6407
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts measuring devices
sensors detectors

DESC: test instruments visible
EFFT: GAMMA ; NUCLEAR RADIATION
REPN: USNRDL TR 763
SUJO: 3-224-000 ; 4-382-000
TITL: GAMMA AND X RAY EFFECTS IN MULTIPLIER PHOTOTUBES (U), 25 P (U)
TREE: 364

.block

08633

.endblock

.block

copy: 1 id: 42756-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08946

ADNO: 343340

AUTH: HUSCHKE R.E. ; RAPP R.R.

CLSS: U

CONN: AF 49 (638) 700

CORP: RAND CORPORATION (SANTA MONICA-CA)

DATE: 6309

DESC: SURVEY

DESC: Nuclear Warfare Strategic operations scenarios battlefield

environment L1

DESC: Nuclear RDT&E Research Program Descriptions fallout nuclear

radiation transport

REPN: RM 3876 PR

SUJO: 3-421-200 ; 4-140-000

TEMP: 63503

TITL: FALLOUT PREDICTION FOR NORAD, ANALYSIS AND SUGGESTIONS (U), 61 P (C)

.block

08946

.endblock

.block

copy: 1 id: 43012-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09025

AUTH: GUST W.H. ; LORD B.L.

CLSS: U

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)

DATE: 6407

DESC: Nuclear Test Simulation Field Programs experiment design materials

DESC: EXPERIMENTAL

REPN: UCRL 7931

TSHO: UG-CONTAINED

SUJO: 4-829-600

TITL: EXPERIMENTAL TECHNIQUES USED IN UNDERGROUND EQUATION OF STATE
MEASUREMENTS (U), 23 P (U)

.block

09025

.endblock

.block

copy: 1 id: 43093-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09026
AUTH: LEISEK J.F.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6403
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Ground Shock craters excavations
DESC: Nuclear Weapon Environment Ground Shock throwout projectiles
REPN: UCRL 7803
SHOT: DANNY BOY
TSHO: UG-VENTED
SUJO: 2-625-000 ; 2-626-000
TITL: POSTSHOT GEOLOGIC INVESTIGATIONS OF THE DANNY BOY NUCLEAR CRATERING
EXPERIMENTIN BASALT (U), 29 P (U)

.block

09026

.endblock

.block

copy: 1 id: 43094-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09031
AUTH: HECKMAN R.A.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6309
DESC: Nuclear Energy Peaceful Applications resource production water L1
REPN: UCRL 7515
TSHO: UG-CONTAINED
SUJO: 3-483-300
TITL: FEASIBILITY OF USING NUCLEAR EXPLOSIVES TO EXTRACT WATER FROM LUNAR
ROCKS (U),13 P (U)

.block

09031

.endblock

.block

copy: 1 id: 43099-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09032
AUTH: CIRCEO L.J. JR.
CLSS: U

CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6402
DESC: Nuclear Energy Peaceful Applications excavation L1
DESC: Nuclear Weapon Environment Ground Shock craters excavations
REPN: UCRL 7657
SHOT: UNCLE ; ESS ; NEPTUNE ; DANNY BOY ; SEDAN ; BUCKBOARD
TSHO: UG-VENTED
SUJO: 2-625-000 ; 3-481-000
TITL: ENGINEERING PROPERTIES AND APPLICATIONS OF NUCLEAR EXCAVATIONS (U),
46 P (U)

.block

09032

.endblock

.block

copy: 1 id: 43100-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09124
AUTH: CIRCEO L.J. JR. ; NORDYKE M.D.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6411
DESC: SUMMARY
DESC: Nuclear Weapon Environment Ground Shock craters excavations
DESC: Nuclear Energy Peaceful Applications excavation L1
REPN: UCRL 12172
SHOT: MIKE ; BRAVO ; KOON ; LACROSSE ; ZUNI ; SEMINOLE ; TEWA ; KOA ;
CACTUS ; OAK
TSHO: WATER-SURFACE ; SURFACE
SUJO: 2-625-000 ; 3-481-000
TITL: NUCLEAR CRATERING EXPERIENCE AT THE PACIFIC PROVING GROUNDS (U), 88
P (U)

.block

09124

.endblock

.block

copy: 1 id: 43178-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09130
AUTH: SCHROEDER M.C. ; JENNINGS A.R.
CLSS: U
CONN: W 7405 ENG 48
CORP: TEXAS A AND M COLLEGE (COLLEGE STATION-TX) ; LAWRENCE RADIATION
LABORATORY (LIVERMORE-CA)
DATE: 6306
DESC: Nuclear Weapon Effects ecological
DESC: Nuclear Warfare Postattack Recovery resources water L1

REPN: UCRL 13074
SUJO: 3-341-000 ; 3-448-200
TITL: LABORATORY STUDIES OF THE RADIOACTIVE CONTAMINATION OF AQUIFERS (U),
CIRCA 100P (U)

.block
09130
.endblock
.block

copy: 1 id: 43184-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09144
AUTH: LOMBARD D.B.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6412
DESC: Nuclear Energy Peaceful Applications resource production oil L1
DESC: THEORY
REPN: UCRL 12224 T
SUJO: 3-483-200
TITL: POTENTIAL APPLICATION OF NUCLEAR EXPLOSIVES FOR THE RECOVERY OF OIL
FROM SHALE(U), 19 P (U)

.block
09144
.endblock
.block

copy: 1 id: 43198-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09156
AUTH: LOMBARD D.B. ; POWER D.V.
CLSS: U
CCDE: SOC
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6303
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Ground Shock velocity arrival time
spectrum duration
DESC: Nuclear Weapon Environment Ground Shock impact pressure stress
REPN: UCRL 7221
SHOT: HARDHAT
TSHO: UG-CONTAINED
SUJO: 2-622-000 ; 2-623-000
TITL: HYDRODYNAMIC PRESSURE MEASUREMENT IN GRANITE NEAR AN UNDERGROUND
NUCLEAR EXPLOSION (U), 10 P (U)

.block
09156
.endblock
.block

copy: 1 id: 43210-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09158
AUTH: GOTCHY R.L.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6412
DESC: Nuclear Weapon Environment Fallout isotope concentrations
DESC: Nuclear Weapon Test safety
DESC: SUMMARY
REPN: UCRL 12272
TSHO: UG-CONTAINED
SUJO: 2-223-100 ; 4-856-000
TITL: RADIOACTIVE EFFLUENT MONITORING AT THE NEVADA TEST SITE FOLLOWING
NUCLEAR DETONATIONS (U), 27 P (U)

.block
09158
.endblock
.block

copy: 1 id: 43212-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09160
AUTH: ECCLES S.F. ; BLUE M.H.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6408
DESC: Orbital Mechanics
DESC: Nuclear Energy Peaceful Applications basic physical measurements
nuclear cross sections L1
DESC: THEORY
REPN: UCRL 7855
SUJO: 3-486-000 ; 9-100-000
TITL: POSSIBILITY OF DETECTING ANTINEUTRINOS FROM NUCLEAR EXPLOSIONS (U),
36 P (U)

.block
09160
.endblock
.block

copy: 1 id: 43214-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09165
AUTH: HEARST J.E. ; GEESAMAN L.B.
CLSS: U
CCDE: SOC ; TENSOR

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6410
DESC: EXPERIMENTAL
DESC: Fluid Mechanics hydrodynamics L1 CODE VS EXPERIMENT
REPN: UCRL 12065
SUJO: 9-410-000
TITL: LABORATORY VERIFICATION OF PLOWSHARE EXPLOSION CALCULATIONS, I (U),
18 P (U)

.block

09165

.endblock

.block

copy: 1 id: 43217-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09166
AUTH: NORDYKE M.D. ; CIRCEO L.J.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6412
DESC: SUMMARY
DESC: Nuclear Weapon Environment Ground Shock craters excavations
DESC: Nuclear Energy Peaceful Applications excavation L1
REPN: UCRL 12248
SUJO: 2-625-000 ; 3-481-000
TITL: PROGRESS IN NUCLEAR EXCAVATION TECHNOLOGY (U), 26 P (U)

.block

09166

.endblock

.block

copy: 1 id: 43218-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09204
AUTH: BRUSH S.G. ; KRAFT R. ; SENKIN J.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6301
DESC: Equation of State of Air
DESC: Solid Mechanics stress-strain
DESC: BIBLIOGRAPHY
DESC: Fluid Mechanics hydrodynamics
DESC: Soil Rock Properties Equation of State Conductivity
REPN: UCRL 7160
SUJO: 5-300-000 ; 6-300-000 ; 9-230-000 ; 9-410-000
TITL: HIGH-PRESSURE EQUATION OF STATE BIBLIOGRAPHY AND INDEX (U), 205 P
(U)

.block

09204

.endblock

.block

copy: 1 id: 43254-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09230
AUTH: BRUSH S.G.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCY RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6307
DESC: BIBLIOGRAPHY
DESC: Equation of State of Air
DESC: equation of state heat of vaporization thermal conductivity opacity
REPN: UCRL 6473 SUPPL 1
SUJO: 5-300-000 ; 9-710-000
TITL: ANNOTATED BIBLIOGRAPHY OF THEORIES OF THE EQUATION OF STATE OF HIGH
TEMPERATURE GASES, FIRST SUPPLEMENT TO UCRL-6473 (U), 96 P (U)

.block

09230

.endblock

.block

copy: 1 id: 43263-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09232
AUTH: NORDYKE M.D.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6404
DESC: SURVEY
DESC: Nuclear Weapon Environment Ground Shock craters excavations
REPN: UCRL 7793
SUJO: 2-625-000
TITL: CRATERING EXPERIENCE WITH CHEMICAL AND NUCLEAR EXPLOSIVES (U), 34 P
(U)

.block

09232

.endblock

.block

copy: 1 id: 43265-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09233
AUTH: HECKMAN R.A.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)

DATE: 6404
DESC: Nuclear Weapon Environment Ground Shock heating thermoluminescence
transitions
DESC: EXPERIMENTAL
REPN: UCRL 7801
SHOT: NEPTUNE ; BLANCA ; LOGAN ; RAINIER ; TAMALPAIS ; GNOME ; HARDHAT ;
SHOAL
SUJO: 2-629-000
TITL: DEPOSITION OF THERMAL ENERGY BY NUCLEAR EXPLOSIVES (U), 22 P (U)

.block

09233

.endblock

.block

copy: 1 id: 43266-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09239
AUTH: CAUTHEN L.J. JR.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6404
DESC: Nuclear Weapon Effects structures aboveground components
EFFT: GROUND SHOCK
REPN: UCRL 7773
SUJO: 3-251-100
TITL: EFFECTS OF SEISMIC WAVES ON STRUCTURES AND OTHER FACILITIES (U), 36
P (U)

.block

09239

.endblock

.block

copy: 1 id: 43272-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09242
AUTH: NORDYKE M.D. ; WRAY W.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6310
DESC: Nuclear Weapon Environment fallout intensity contours patterns
DESC: Nuclear Weapon Environment Ground Shock craters excavations
DESC: EXPERIMENTAL
DESC: Environmental Conditions at Nuclear Weapon Test Site weather
REPN: UCRL 6999 REV 2
SHOT: DANNY BOY
SUJO: 2-225-100 ; 2-625-000 ; 4-841-000
TITL: CRATERING AND RADIOACTIVITY RESULTS FROM A NUCLEAR CRATERING
DETONATION IN BASALT (U), 36 P (U)

.block

09242
.endblock
.block
copy: 1 id: 43275-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09244
AUTH: MISKEL J.A.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6404
DESC: Nuclear Weapon Environment Fallout isotope concentrations
DESC: SURVEY
REPN: UCRL 7761
SUJO: 2-223-100
TITL: CHARACTERISTICS OF RADIOACTIVITY PRODUCED BY NUCLEAR EXPLOSIVES (U),
10 P (U)

.block
09244
.endblock

.block
copy: 1 id: 43277-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09245
AUTH: MCARTHUR R.D. ; BOARDMAN C.R. ; RABB D.D.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6305
DESC: Nuclear Weapon Environment Ground Shock cavities subsidence collapse
DESC: SUMMARY
REPN: UCRL 7350
SHOT: RAINIER ; LOGAN ; BLANCA ; GNOME ; MAD ; STILLWATER ; HARDHAT ;
CIMARRON ; BRAZOS ; HOOSIC ; PLATTE
TSHO: UG-CONTAINED
SUJO: 2-627-000
TITL: CHARACTERISTIC EFFECTS OF CONTAINED NUCLEAR EXPLOSIONS FOR
EVALUATION OF MINING APPLICATIONS (U), 47 P (U)

.block
09245
.endblock

.block
copy: 1 id: 43278-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09246
CLSS: U

CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6401
DESC: Nuclear Weapon Environment Ground Shock craters excavations
DESC: SUMMARY
REPN: UCRL 7632
SUJO: 2-625-000
TITL: SYMPOSIUM ON NUCLEAR EXCAVATION ABRIDGMENTS (U), 23 P (U)

.block

09246

.endblock

.block

copy: 1 id: 43279-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09247
AUTH: SHORT N.M.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6403
DESC: Nuclear Weapon Environment Ground Shock craters excavations L1
COMPARISON WITH IMPACT CRATERS
REPN: UCRL 7787
SUJO: 2-625-000
TITL: NUCLEAR EXPLOSION CRATERS, ASTROBLEMES, AND CRYPTOEXPLOSION
STRUCTURES (U), 75P (U)

.block

09247

.endblock

.block

copy: 1 id: 43280-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09248
AUTH: HEUSINKVELD M. ; HOLZER F.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6302
DESC: test instruments test hardware pressure stress L1 SLIFER CABLES
REPN: UCID 4867
SUJO: 4-311-000
TITL: SHOCK VELOCITY MEASUREMENTS NEAR UNDERGROUND EXPLOSIONS BY CABLE
CRUSHING (U),32 P (U)

.block

09248

.endblock

.block

copy: 1 id: 43281-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09249
AUTH: HECKMAN R.A.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6407
DESC: Nuclear Energy Peaceful Applications resource production isotopes L1
DESC: SUMMARY
REPN: UCRL 7963
SUJO: 3-483-400
TITL: ISOTOPE PRODUCTION WITH NUCLEAR EXPLOSIVES (U), 32 P (U)

.block

09249

.endblock

.block

copy: 1 id: 43282-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09250
AUTH: CIRCEO L.J. JR.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6407
DESC: Nuclear Energy Peaceful Applications barrier construction dams L1
DESC: SUMMARY
DESC: Nuclear Weapon Environment Ground Shock craters excavations
REPN: UCRL 7966
SUJO: 2-625-000 ; 3-482-000
TITL: BARRIER PLANNING WITH NUCLEAR CRATERING EXPLOSIVES (U), 20 P (U)

.block

09250

.endblock

.block

copy: 1 id: 43283-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09251
AUTH: PATTERSON D.W.
CLSS: U
CCDE: ZZ
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6406
DESC: Equation of State of Air
DESC: THEORY TABULAR
DESC: Nuclear Weapon Phenomenology Fireball Energy Partition Energy
Coupling

DESC: Nuclear Weapon Environment Ground Shock motion strain fracture
displacement particle velocity
REPN: UCRL 7916
SHOT: DRIBBLE ; GNOME
TSHO: UG-CONTAINED
SUJO: 2-150-000 ; 2-621-000 ; 5-300-000
TITL: THEORY OF NUCLEAR EXPLOSION IN A CAVITY INCLUDING THE EFFECTS OF
SHOCK AND NONELASTIC EFFECTS ON THE WALL AND COMPARISON WITH TAMPED
EXPLOSIONS-PROJECT DRIBBLE (U), 99 P (U)

.block

09251

.endblock

.block

copy: 1 id: 43284-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09267
AUTH: WILKINS M.L. ; GIROUX R.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6303
REPN: UCRL 7271
TITL: CALCULATION OF STRESS WAVES IN SOLIDS (U), 13 P (U)

.block

09267

.endblock

.block

copy: 1 id: 43296-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09268
AUTH: KNOX J.B. ; TERHUME R.W.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6404
DESC: Nuclear Weapon Environment Ground Shock craters excavations
DESC: THEORY
REPN: UCRL 7738
SUJO: 2-625-000
TITL: CALCULATION OF EXPLOSION-PRODUCED CRATERS, THIRD PLOWSHARE SYMPOSIUM
(U), 32 P(U)

.block

09268

.endblock

.block

copy: 1 id: 43297-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09269
AUTH: CAUTHEN L.J. JR.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6407
DESC: EXPERIMENTAL SUMMARY
DESC: Nuclear Weapon Effects structures aboveground components
DESC: Nuclear Weapon Effects electrical mechanical power generation
DESC: Nuclear Weapon Effects electrical mechanical pipes valves fittings
REPN: UCRL 7964
SHOT: SHOAL ; BILBY ; GNOME
TSHO: UG-CONTAINED
SUJO: 3-232-000 ; 3-236-000 ; 3-251-100
TITL: SURVEY OF SHOCK DAMAGE TO SURFACE FACILITIES AND DRILLED HOLES
RESULTING FROM UNDERGROUND NUCLEAR DETONATIONS (U), 32 P (U)

.block

09269

.endblock

.block

copy: 1 id: 43298-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09382
ADNO: 369264
AUTH: FINK W.L. ; THOMAS J.R.
CLSS: SRD 1
CONN: AF 29 (601) 4590
CORP: GD/FORT WORTH DIVISION (FORT WORTH-TX) ; AIR FORCE/WEAPONS
LABORATORY (KIRTLAND AIR FORCE BASE-NM)
DATE: 6303
DESC: Nuclear Weapon Effects missile systems tactical
DESC: THEORY
DESC: Nuclear Weapon Effects electronic subsystems
EFFT: TREE ; NUCLEAR RADIATION
REPN: SWC TDR 62 139
SUJO: 3-112-300 ; 3-210-000
TEMP: 77807
TITL: TRANSIENT GAMMA RADIATION EFFECTS ANALYSIS FOR FALCON MISSILES
GAR-4A AND GAR-11 (U), 68 P (SRD)

TREE: 392

.block

09382

.endblock

.block

copy: 1 id: 43405-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 11522
AUTH: LOKKE W.A.

CLSS: SRD 1 CNWDI
CCDE: CORONET ; SQUID
CORP: LAWRENCE RADIATION LAB (LIVERMORE-CA)
DATE: 6301
DESC: THEORY
DESC: Nuclear weapon test device physical operation construction geometry
materials components L1
DESC: Nuclear weapon test yield L1
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1 VERY EARLY TIME
REPN: UCID 4551
SHOT: STARFISH
TSHO: HI-ALT
SUJO: 2-211-000 ; 4-835-000 ; 4-836-000
TEMP: 77255
TITL: RADIATED FLUX AND DEBRIS ANGULAR DISTRIBUTION OF STARFISH PRIME (U),
49 P (SRD) CNWDI

.block

11522

.endblock

.block

copy: 1 id: 45263-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 11790
AUTH: PARKER R.L. ; KAMBOURELIS G.
CLSS: SRD 1
CORP: SANDIA CORPORATION (ALBUQUERQUE-NM)
DATE: 6302
DESC: Nuclear Weapon Effects ordnance electroexplosive devices fuses L1
EMP
DESC: EXPERIMENTAL
EMPF: 363
REPN: SC 4758 WD
SHOT: SMALL BOY
SUJO: 3-162-000
SYST: MK 28 MOD 0 WARHEAD
TEMP: 77307
TITL: ELECTROMAGNETIC RADIATION VULNERABILITY, OPERATION DOMINIC, NTS
SANDIA TEST GROUP (U), 29 P, (SRD)

.block

11790

.endblock

.block

copy: 1 id: 45476-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 12405
ADNO: 388741
AUTH: COYLE L.M.

CLSS: SRD 1
CONN: AF 04 (694) 239
CORP: AVCO CORP (WILMINGTON MASS)
DATE: 6310
DESC: Nuclear Weapon Environment Initial Gamma source strength total
intensity L1 P 11 111 L1 P 10
DESC: Nuclear Weapon Effects electrical mechanical L1 BATTERIES SHOCK
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects materials plastics resins L1
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 NUCLEAR RADIATION
REPN: RAD TM 63 67
SHOT: SMALL BOY
TSHO: SURFACE
SUJO: 1-710-000 ; 3-221-000 ; 3-239-000 ; 3-244-000
TEMP: 79446
TITL: AVCO CORPORATION COMPONENT AND MATERIAL TESTS AT THE SMALL BOY EVENT
(TASK 5.2--NUCLEAR RADIATION EFFECTS--REST PROJECT), (U), 55 P.,
(SRD)

.block

12405

.endblock

.block

copy: 1 id: 45914-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 13455

CLSS: C 1

CONN: NP 2

CORP: BENDIX CORP., BENDIX PRODUCTS AEROSPACE DIV. (SOUTH BEND, IN.)

DATE: 6311

REPN: D67 00649 ; 36446 ; BPAD 863 4 15233R

TEMP: A1250

TITL: RADIATION EFFECTS TESTS OF THE BENDIX MODEL NT-B4 ACTUATOR AND
SYSTEM AMPLIFIERS IN THE GROUND TEST REACTOR (U), 47 P., (C)

.block

13455

.endblock

.block

copy: 1 id: 46945-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 13509

AUTH: PENNY S.K. ; TRUBEY D.K.

CLSS: SRD 1

CORP: OAK RIDGE NATIONAL LAB. (OAK RIDGE, TENN.)

DATE: 6302

REPN: D69 01322 ; 19195 ; ORNL CR 63 1 5

TEMP: A1327

TITL: ANALYSIS OF THE RADIATION ENVIRONMENT OF A TYPICAL PLUTO VEHICLE

(U), 49 P., (SRD)

.block

13509

.endblock

.block

copy: 1 id: 47005-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 13519

CLSS: SRD 1

CONN: AF 04 (694) 365

CORP: BOEING CO., AERO-SPACE DIV. (SEATTLE, WASH.)

DATE: 6407

DESC: SIMULATION (FLASH X RAY) ; THEORY EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic subsystems computers memory L1

TREE

DESC: Nuclear Weapon Effects electronic subsystems recorders amplifiers L1

DESC: Nuclear Weapon Effects electronic pieceparts magnetic devices L1

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes

silicon-controlled rectifiers L1

REPN: D69 01339 ; 25255 ; D2 90567

SUJO: 3-212-000 ; 3-213-000 ; 3-221-000 ; 3-225-000

TEMP: A1337

TITL: TRANSIENT RADIATION EFFECTS EVALUATION OF A THIN-FILM MEMORY SYSTEM

(U), 156 P., (SRD)

TREE: 341

.block

13519

.endblock

.block

copy: 1 id: 47014-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 13521

ADNO: 348664L

AUTH: OVERMYER R.F. ; HOPKINS G.R. ; WILLIS D.E.

CLSS: S 1

CONN: AF 29 (601) 2207

CORP: GENERAL DYNAMICS CORP., GENERAL ATOMIC DIV. (SAN DIEGO, CA.)

DATE: 6305

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes

silicon-controlled rectifiers L1 DIODE

DESC: SIMULATION (LINAC, TRIGA) TREE PERMANENT RADIATION EFFECTS ;
EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts solar cells L1 OPTICAL
ABLATION PROBE

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 ULTRAVIOLET PHOTODIODE
TRANSIENT RADIATION EFFECT

DESC: Nuclear Weapon Effects materials plastics resins L1 MYLAR,

POLYETHYLENE U.V. TRANSMISSION U.V. FLUORESCENCE

DESC: Nuclear Weapon Effects materials ceramics optical L1 FUZED QUARTZ

U.V. TRANSMISSION U.V. FLUORESCENCE

REPN: D69 01341 ; 25239 ; GAMD 4832

SUJO: 3-221-000 ; 3-223-000 ; 3-229-000 ; 3-241-000 ; 3-244-000

TEMP: A1339

TITL: RADIATION EFFECTS EXPERIMENTS ON INSTRUMENTATION; NUCLEAR PULSE
PROPULSION CONCEPT (U), 45 P., (S)

TREE: 361

.block

13521

.endblock

.block

copy: 1 id: 47016-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 13524

CLSS: SRD

CONN: AF 04 (694) 374

CORP: GENERAL DYNAMICS, NUCLEAR AEROSPACE RESEARCH FACILITY (FORT WORTH,
TEX.) FINAL REPORT (U), 350 P., (SRD)

DATE: 6312

DESC: Simulation Facilities Techniques nuclear radiation reactors isotopic
sources L1

DESC: Simulation Facilities Techniques TREE L1

DESC: THEORY TABULAR

REPN: D69 01378 ; 22785 ; FZK 173

SUJO: 4-241-000 ; 4-272-000

TEMP: A1342

TITL: TRANSIENT RADIATION EFFECTS SIMULATOR STUDY, PHASE 1FEASIBILITY
STUDY

TREE: 642

.block

13524

.endblock

.block

copy: 1 id: 47019-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 13533

AUTH: MESSENGER G.C. ; BERGER A.G. ; MALCOLM L. ; STEELE E.

CLSS: SRD 1

CORP: NORTHROP CORP., VENTURA DIV. (NEWBURY PARK, CA.)

DATE: 6403

DESC: SIMULATION (PULSE REACTOR, FLASH X-RAY) ; THEORY EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1

DESC: Nuclear Weapon Effects electronic pieceparts solar cells L5 1R
DETECTORS

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors

vacuum tubes dielectrics relays switches L5 TREE CAPACITORS TUBES
RESISTORS

REPN: D69 01390 ; 25618 ; 2976 VOL. 1
SUJO: 3-221-000 ; 3-223-000 ; 3-229-000
TEMP: A1352
TITL: EQUIPMENT DESIGN PRACTICES AND TECHNIQUES FOR THE NUCLEAR RADIATION
ENVIRONMENT (U), CA. 150 P., (SRD)
TREE: 420

.block
13533

.endblock

.block

copy: 1 id: 47028-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 13539
ADNO: 357015
AUTH: SORENSEN R.E. ; WOLFE B.A. ; HAEUSZER F.A. ; STOUT W.G.
CLSS: S 1
CONN: AF 04 (694) 433
CORP: UNIVAC (ST. PAUL, MINN.)
DATE: 6409
DESC: SIMULATION (LINAC) TREE NEUTRON ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic subsystems recorders amplifiers L1

AMPLIFIERS

DESC: Nuclear Weapon Effects electronic subsystems computers memory L1
DESC: Nuclear Weapon Effects electronic pieceparts integrated circuits L1
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTORS DIODES ZENER DIODES

REPN: D69 01519 ; 27856 ; EF 3822
SUJO: 3-212-000 ; 3-213-000 ; 3-221-000 ; 3-222-000
TEMP: A1358
TITL: TESTING OF UNIVAC 1824/A-2 COMPUTER COMPONENTS AND CIRCUITS IN A
SIMULATED NUCLEAR RADIATION ENVIRONMENT; FINAL REPORT (U), 49 P.,
(S)

TREE: 341

.block
13539

.endblock

.block

copy: 1 id: 47034-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 13540
ADNO: 354479
CLSS: C
CONN: AF 04 (694) 297
CORP: AVCO CORP., RESEARCH AND ADVANCED DEVELOPMENT DIV. (WILMINGTON,
MASS.)
DATE: 6410

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1
DESC: SIMULATION (LINAC, PULSE REACTOR)
DESC: Nuclear Weapon Effects electronic subsystems recorders amplifiers L1
TREE
REPN: D69 01520 ; 27857 ; RAD TM 64 60
SHOT: SLEIGH RIDE
TSHO: HI-ALT
SUJO: 3-213-000 ; 3-221-000
TEMP: A1359
TITL: ANALOG COMPUTER ANALYSIS OF RADIATION EFFECTS ON SELECTED SLEIGH
RIDE ELECTRONIC CIRCUITS (U), 85 P., (S)
TREE: 368

.block

13540

.endblock

.block

copy: 1 id: 47035-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 13541
ADNO: 355114
CLSS: U
CONN: AF 33 (657) 10952
CORP: SPERRY GYROSCOPE CO. (GREAT NECK, NY)
DATE: 6410
DESC: SIMULATION (PULSE REACTOR, REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic subsystems computers memory L1
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TREE
DESC: Nuclear Weapon Effects electronic pieceparts magnetic devices L1
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 RESISTORS CAPACITORS
TRANSFORMERS TUBES
REPN: AL TDR 64 223
SUJO: 3-212-000 ; 3-221-000 ; 3-225-000 ; 3-229-000
TEMP: A1360
TITL: DESIGN OF RADIATION TOLERANT COMPUTERS (U), 120 P., (C)
TREE: 341 ; 420

.block

13541

.endblock

.block

copy: 1 id: 47036-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 13543
CLSS: SRD 1
CONN: AF 33 (657) 12517
CORP: LING-TEMCO-VOUGHT, INC., VOUGHT AERONAUTICS DIV. (DALLAS, TEX.)

DATE: 6412
REPN: D69 01523 ; 27863 ; ASD TR 64 91 PT. 2 VOL. 5
TEMP: A1362
TITL: ENGINEERING INVESTIGATION AND TESTS WHICH FURTHER SUBSTANTIATE
SYSTEM FEASIBILITY AND PROVIDE DATA RELATIVE TO THE DEVELOPMENT OF A
NUCLEAR LOW ALTITUDE SUPERSONIC VEHICLE, PT. 2-TECHNICAL
INFORMATION, VOL. 5-NUCLEAR SHIELDING AND RADIATION-AIRFRAME (U), 54
P., (SRD)

.block

13543

.endblock

.block

copy: 1 id: 47038-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 13565
ADNO: 356385
AUTH: STANLEY F.E. ; SAYERS P.G. ; BOWEN J.D. ; STEPHENS M.
CLSS: SRD 1
CONN: AF 30 (620) 2934
CORP: MARTIN MARIETTA, ORLANDO DIV. (ORLANDO, FL.)
DATE: 6411
DESC: equation of state heat of vaporization thermal conductivity opacity
L1 ALL SORTS OF MATERIALS INCLUDING RV ONES
DESC: Nuclear Weapon Effects Communications Systems C4 hardware radio
microwave systems L1 HARDENED
DESC: Nuclear Weapon Effects materials not systems associated L1 THERMAL
NUCLEAR RADIATION
DESC: Simulation Facilities Techniques thermal optical L1
DESC: Simulation Facilities Techniques nuclear radiation reactors isotopic
sources L1
DESC: Solid Mechanics stress-strain L1
DESC: SIMULATION (PULSE REACTOR, THERMAL FURNACE, REACTOR) ; EXPERIMENTAL
BIBLIOGRAPHY
REPN: RADC TDR 64 164
SUJO: 3-132-000 ; 3-240-000 ; 4-241-000 ; 4-280-000 ; 9-230-000 ;
9-710-000
TEMP: A1386
TITL: INVESTIGATION OF MATERIALS FOR HARDENED ANTENNAS (U), 530 P., (S)

.block

13565

.endblock

.block

copy: 1 id: 47059-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 13604 V2
ABS: The first conference on laser technology was sponsored by the
Department of Defense (advanced projects research agency),
department of the Army, department of the Navy, and the department

of the Air Force, and was held at the U.S. Marine Corps recruit depot on November 12-14, 1963. Forty-two papers were chosen by the publication committee for presentation at the meeting and for publication in the proceedings. The proceedings are a compilation of the papers in the form they were submitted by the authors and are arranged as much as possible in the order of conference presentation. Among the topics presented were papers on semiconductor lasers; problems encountered in the concept, design, and operation of a laser; inductive power supply to drive a high power laser system; high power Nd:Glass laser; optical gain and inversions in neodymium-glass lasers;

ABS: experiments to attain homogeneous, mass produced laser glass; sensitization of nd luminescence in glasses; laser action in five-ligand chelate adducts; ruby lasers;

[REDACTED] the influence of optical quality on ruby laser oscillators and amplifiers; and interferometric optical modulator; laser modulation and control at the atomic level; design and operating parameters of a ruby laser power amplifier; preliminary experimental results on the effect of turbulence on a coherent optical radar; compact high-energy electrical sources for laser pumping; light sources for laser excitation; theoretical and experimental feasibility of explosive pumping of lasers; high energy coaxial laser pumps; feasibility of nuclear pumped lasers; a summary of foreign laser activities;

ABS: the concept of gamma ray amplification by stimulated emission of radiation; stored chemical energy laser pump sources; and a status report on a contract. (preface, P. IV; table of contents)

ADNO: 311283L

CLSS: S

CORP: OFFICE OF NAVAL RESEARCH (BOSTON, MA)

DATE: 6401

DESC: SURVEY

DESC: Directed Energy Weapons Lasers Technology Overviews L1

SUJO: 3-611-020

TEMP: C3417

TITL: PROCEEDINGS OF THE FIRST CONFERENCE ON LASER TECHNOLOGY, VOL. 1 (U)
CA. 345 P., (S)

.block

13604 V2

.endblock

.block

copy: 1 id: 47092-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 13604-289

AUTH: PROSTAK A. ; OSER G.T. ; GRABOSKE H.C.

CLSS: C

CORP: BENDIX CORP. (ANN ARBOR, MI)

DATE: 6401

DESC: SIMULATION (LASER) ; EXPERIMENTAL

DESC: Directed Energy Weapons Lasers Effects Optical systems lasers L1

DESC: Nuclear Weapon Effects electronic pieceparts solar cells L1
DESC: Nuclear Weapon Effects materials coatings laminates L1 X-RAY
SUJO: 3-223-000 ; 3-245-000 ; 3-613-600
SYMJ: IN PROCEEDINGS OF THE FIRST CONFERENCE ON LASER TECHNOLOGY, VOL. 2
TITL: VULNERABILITY OF INFRARED AND OPTICAL COMPONENTS AND SOLAR CELLS TO
LASER RADIATION (U), 14 P., (S)

TREE: 361

.block

13604-289

.endblock

.block

copy: 1 id: 47093-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 13866

ADNO: 388692

AUTH: VAN LINT V.A.J. ; POLL R.A.

CLSS: SRD 1

CONN: AF 04 (694) 347

CORP: GENERAL ATOMIC

DATE: 6305

DESC: TABULAR

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1

DESC: Nuclear Weapon Effects reentry systems RV L1 TREE

REPN: GA 4256

SUJO: 3-113-000 ; 3-221-000

TEMP: A1803

TITL: ANALYSIS OF NUCLEAR RADIATION EFFECTS ON GLOBAL-RANGE MISSILE
GUIDANCE SYSTEM (U), 37 P., (SRD)

TREE: 392

.block

13866

.endblock

.block

copy: 1 id: 47299-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 13898

ADNO: 401473

AUTH: PIANTANIDA E. ; PIAZZI M.

CLSS: U

CORP: PICATINNY ARSENAL, FELTMAN RESEARCH LABS. (DOVER, NJ)

DATE: 6303

DESC: STEADY STATE IRRADIATION CO-60 ; EXPERIMENTAL

DESC: Nuclear Weapon Effects ordnance explosives L1 GAMMA SMOKELESS POWDER

REPN: TM 1078

SUJO: 3-163-000

TITL: BEHAVIOR OF EXPLOSIVES UNDER GAMMA RADIATION (I) + III (U), 30 P.,
(U)

.block

13898

.endblock

.block

copy: 1 id: 47317-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 13908

ADNO: 469196

AUTH: PIAZZI M.

CLSS: U

CORP: ARMY MISSILE COMMAND, REDSTONE SCIENTIFIC INFORMATION CENTER
(REDSTONE ARSENAL, ALA.)

DATE: 6410

DESC: STEADY STATE IRRADIATION CO-60 ; EXPERIMENTAL

DESC: Nuclear Weapon Effects ordnance explosives L1 GAMMA TNT PICRIC ACID
PENTRITE T4

DESC: Nuclear Weapon Effects ordnance propellants solid L1 GAMMA DOUBLE
BASE TRIPLE BASE

REPN: RSIC 446

SUJO: 3-163-000 ; 3-164-000

TITL: COURSE OF THERMAL DECOMPOSITION OF EXPLOSIVES EXPOSED TO GAMMA
RADIATION (U), 22 P., (U)

.block

13908

.endblock

.block

copy: 1 id: 47324-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 13927

ADNO: 340240

CLSS: U

CORP: AIR FORCE SYSTEMS COMMAND, AERONAUTICAL SYSTEMS DIV. (EGLIN AFB,
FL.)

DATE: 6302

DESC: Nuclear Weapon Effects ordnance explosives L1 TREE TNT DATB HMX PETN
RDX TETRYL FLUOROCARBONS

DESC: Cross Sections neutron L1

DESC: SIMULATION (CO 60, REACTOR) ; THEORY EXPERIMENTAL

DESC: Cross Sections electron L1

DESC: Shielding Protection L1 PROTONS ALPHA

DESC: Cross Sections gamma L1

REPN: D72 02401 ; ASD TDR 63 33

SUJO: 3-163-000 ; 9-800-000 ; 9-820-000 ; 9-830-000 ; 9-850-000

SYST: NERVA

TEMP: A1464

TITL: RADIATION EFFECTS ON EXPLOSIVES, FIRST QUARTERLY TECHNICAL REPORT
(U), 52 P., (C)

.block

13927
.endblock
.block
copy: 1 id: 47341-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 13930
ADNO: 347553
AUTH: HANSEN H.H. ; LARSEN C. ; OLSEN J.S.
CLSS: C 1
CORP: DANISH DEFENCE RESEARCH BOARD
DATE: 6306
DESC: test instruments nuclear radiation gamma L1 ANTI COINCIDENCE COUNTER
DESC: EXPERIMENTAL
REPN: D 03 MWP AF 61
SUJO: 4-341-000
TEMP: A1467
TITL: DEVELOPMENT AND EVALUATION OF A LOW COST GAMMA RADIATION ANALYSER
(U), CA. 35 P., (C)
TREE: 651

.block
13930
.endblock

.block
copy: 1 id: 47344-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 13931
ADNO: 358764
AUTH: BELL J.E.
CLSS: U
CORP: HUGHES AIRCRAFT (FULLERTON, CA.)
DATE: 6407
DESC: Simulation Facilities Techniques TREE L1 LINAC
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 CDSE, CDS TFT-S SCR-S TUNNEL DIODES
DESC: Nuclear Weapon Effects electronic subsystems analysis circuit
network L1 NNAND NOR GATE
DESC: SIMULATION (CO60, ELECTRON, LINAC) ; THEORY EXPERIMENTAL
DESC: test instruments nuclear radiation gamma L1
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 THIN FILM RESISTORS COLD
CATHODE DIODES
EFFT: TREE
REPN: D72 02494 ; 28824 ; FR 64 10 267
SUJO: 3-219-000 ; 3-221-000 ; 3-229-000 ; 4-272-000 ; 4-341-000
TEMP: A1468
TITL: RADIATION EFFECTS ON GUIDED MISSILE ELECTRONIC EQUIPMENT III (U),
CA. 100 P., (C)
TREE: 392

.block

13931

.endblock

.block

copy: 1 id: 47345-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14001

AUTH: RASO D.J. ; WOOLF S.

CLSS: U

CCDE: ZZ (GAMMA TRANSPORT)

CORP: TECHNICAL OPERATIONS RESEARCH (BURLINGTON, MASS.)

DATE: 6402

DESC: Radiation Transport gamma L1

DESC: THEORY CODE

REPN: TO B 64 12

SUJO: 9-620-000

TITL: MONTE CARLO PROGRAM FOR CALCULATING DOSES RESULTING FROM AN
ISOTROPIC POINT SOURCE IN AN EXPONENTIAL ATMOSPHERE (U), CA. 20 P.,
(U)

TREE: 960

.block

14001

.endblock

.block

copy: 1 id: 47410-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14013

ADNO: 622649

AUTH: ACKER T. ; HENLEY E. ; MCALEVY R.F. ; ODIAN G.

CLSS: U

CORP: RADIATION APPLICATIONS, INC. (LONG ISLAND CITY, NY)

DATE: 6400

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects ordnance propellants solid L1 GAMMA RAY
VARIOUS AMMONIUM-PERCHLORATE PROPELLANTS

REPN: AFOSR 65 1435

SUJO: 3-164-000

TITL: EFFECT OF RADIATION ON AMMONIUM PERCHLORATE PROPELLANTS (U) 1 P.,
(U)

.block

14013

.endblock

.block

copy: 1 id: 47421-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14036
AUTH: SMILEY R.A. ; REGAN T.H.
CLSS: U
CONN: AF 04 (611) 8530
CORP: E.I. DU PONT DE NEMOURS + CO.
DATE: 6309
REPN: D72 02397 ; 22786 ; SLC 3
TEMP: A1498
TITL: RADIATION-CHEMISTRY OXIDIZER SYNTHESIS STUDY (U), 11 P., (U)

.block

14036

.endblock

.block

copy: 1 id: 47437-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14039
CLSS: CRD 1
CORP: WESTINGHOUSE ELECTRIC CORP., ASTRONUCLEAR LAB. (PITTSBURGH, PA.)
DATE: 6312
REPN: D72 02406 ; 24258 ; WANL TME 629
TEMP: A1501
TITL: RADIATION EFFECTS PROGRAM REVIEW (U), 333 P., (CRD)

.block

14039

.endblock

.block

copy: 1 id: 47440-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14040
ADNO: 345010
AUTH: ABBOTT H.M.
CLSS: C 3
CORP: LOCKHEED MISSILES AND SPACE CO. (SUNNYVALE, CA.)
DATE: 6305
REPN: D72 02407 ; 24260 ; LMSC A031349 ; SB 63 42
TEMP: A1502
TITL: RADIATION EFFECTS ON PROPELLANTS, EXPLOSIVES, AND RELATED
MATERIALS AN ANNOTATED BIBLIOGRAPHY (U), 23 P., (C)

.block

14040

.endblock

.block

copy: 1 id: 47441-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14041

AUTH: PERRY J.W.
CLSS: U
CONN: AF 04 (611) 8530
CORP: E.I. DU PONT DE NEMOURS + CO.
DATE: 6403
REPN: D72 02408 ; 24286 ; SLC 5
TEMP: A1503
TITL: RADIATION-CHEMISTRY OXIDIZER SYNTHESIS STUDY (U), 7 P., (U)

.block

14041

.endblock

.block

copy: 1 id: 47442-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14046
ADNO: 349336
CLSS: U
CONN: AF 04 (694) 433
CORP: UNIVAC
DATE: 6400
REPN: D72 02438 ; 25612
TEMP: A1508
TITL: RADIATION TEST OF CIRCUITS IN SUPPORT OF SABRE EFFORT (U), 11 P.,
(U)

TREE: 342

.block

14046

.endblock

.block

copy: 1 id: 47447-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14047
CLSS: U
CONN: NAS 8 5600 ; NAS 8 9500
CORP: LOCKHEED MISSILES AND SPACE CO. (SUNNYVALE, CA.)
DATE: 6406
REPN: D72 02441 ; 25620 ; LMSC A650313 ; NSP 64 33
TEMP: A1509
TITL: RIFT RADIATION EFFECTS PROGRAM, IRRADIATIONS NOS. 2 AND 9, DOUGLAS
CLASSIFIED FOAM INSULATION (U), CA. 25 P., (U)

.block

14047

.endblock

.block

copy: 1 id: 47448-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14051
ADNO: 355669
AUTH: BERBERET J.A.
CLSS: U
CONN: AF 08 (635) 3192
CORP: GENERAL ELECTRIC, TEMPO (SANTA BARBARA, CA.)
DATE: 6410
REPN: D72 024445 ; 26801 ; ATL TDR 64 52
TEMP: A1513
TITL: RADIATION EFFECTS ON EXPLOSIVES (U), 28 P., (U)

.block

14051

.endblock

.block

copy: 1 id: 47452-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14062
AUTH: PERRY J.W.
CLSS: U
CONN: AF 04 (611) 8530
CORP: E.I. DU PONT DE NEMOURS + CO.
DATE: 6412
REPN: D72 02449 ; 26806 ; AFRPL TR 64 159 ; SLC 7
TEMP: A1524
TITL: RADIATION-CHEMISTRY OXIDIZER SYNTHESIS STUDY, FINAL REPORT (U), CA.
25 P., (U)

.block

14062

.endblock

.block

copy: 1 id: 47462-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14063
AUTH: ZORN J.B.
CLSS: CRD 1
CORP: WESTINGHOUSE ELECTRIC CORP., ASTRONUCLEAR LAB. (PITTSBURGH, PA.)
DATE: 6409
REPN: D72 02450 ; 26812 ; WANL TME 964
TEMP: A1525
TITL: RADIATION TEST OF SEGMENT FROM THE NERVA DOME END SUPPORT RING (TEST
15/W301) (U), CA. 30 P., (CRD)

.block

14063

.endblock

.block

copy: 1 id: 47463-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14064
AUTH: ZORN J.B.
CLSS: CRD 1
CORP: WESTINGHOUSE ELECTRIC CORP., ASTRONUCLEAR LAB. (PITTSBURGH, PA.)
DATE: 6411
REPN: D72 02451 ; 26813 ; WANL TME 1023
TEMP: A1526
TITL: RADIATION TEST OF A NERVA REACTOR CONTROL VANE SEGMENT (WANL TEST
15/W002) (U), CA. 20 P., (CRD)

.block

14064

.endblock

.block

copy: 1 id: 47464-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14065
ADNO: 356186
AUTH: CORNELIUS G.K. ; PUST H.W. ; ROBERTS R.M. ; ROBINSON J.M.
CLSS: U
CONN: AF 04 (611) 9364
CORP: AEROJET-GENERAL CORP. (AZUSA, CA.)
DATE: 6410
REPN: D72 02452 ; 26814 ; AFRPL TR 64 146 VOL. 1
TEMP: A1527
TITL: SPACE ENVIRONMENT STUDIES, VOL. 1-RADIATION OF PROPELLANTS AND
PROPELLANTS/SEALS (U), CA. 50 P., (U)

.block

14065

.endblock

.block

copy: 1 id: 47465-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14066
ADNO: 351589
AUTH: PERRY J.W.
CLSS: U
CONN: AF 04 (611) 8530
CORP: E.I. DU PONT DE NEMOURS + CO
DATE: 6406
REPN: D72 02453 ; 27844
TEMP: A1528
TITL: RADIATION-CHEMISTRY OXIDIZER SYNTHESIS STUDY (U), 5 P., (C)

.block

14066

.endblock

.block

copy: 1 id: 47466-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 14088
CLSS: U
CONN: AF 33 (657) 12517
CORP: LING-TEMCO-VOUGHT, INC. (DALLAS, TEX.)
DATE: 6412
REPN: D72 02455 ; 27847 ; ASD TR 64 91 PT. 2, VOL. 8 ; NS S 415
TEMP: A1540
TITL: ENGINEERING INVESTIGATION AND TESTS WHICH FURTHER SUBSTANTIATE
SYSTEM FEASIBILITY AND PROVIDE DATA RELATIVE TO THE DEVELOPMENT OF A
NUCLEAR LOW ALTITUDE SUPERSONIC VEHICLE, PT. 2-TECHNICAL
INFORMATION, VOL. 8-NUCLEAR RADIATION EFFECTS TEST NO. 9--FLYAWAY
(U), 289 P., (C)

.block
14088
.endblock

.block
copy: 1 id: 47487-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 14091
ADNO: 338079
AUTH: SMILEY R.A. ; REGAN T.H.
CLSS: U
CONN: AF 04 (611) 8530
CORP: E.I. DU PONT DE NEMOURS + CO.
DATE: 6306
REPN: D72 02403 ; 22804 ; SLC 2
TEMP: A1543
TITL: RADIATION-CHEMISTRY OXIDIZER SYNTHESIS STUDY (U), 10 P., (U)

.block
14091
.endblock
.block

copy: 1 id: 47490-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 14092
AUTH: SMILEY R.A. ; REGAN T.H.
CLSS: U
CONN: AF 04 (611) 8530
CORP: E.I. DU PONT DE NEMOURS + CO.
DATE: 6312
REPN: D72 02404 ; 22829 ; SLC 4
TEMP: A1544
TITL: RADIATION-CHEMISTRY OXIDIZER SYNTHESIS STUDY (U), CA. 15 P., (U)

.block

14092

.endblock

.block

copy: 1 id: 47491-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14118

CLSS: CRD 1

CONN: SNP 1

CORP: AEROJET-GENERAL CORP.

DATE: 6309

REPN: D72 02474 ; 33846 ; 2277

TEMP: A1570

TITL: RADIATION EFFECTS DATA BOOK (REVISION) (U), CA. 300 P., (CRD)

.block

14118

.endblock

.block

copy: 1 id: 47517-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14133

CLSS: CRD 1

CORP: WESTINGHOUSE ELECTRIC CORP., ASTRONUCLEAR LAB. (PITTSBURGH, PA.)

DATE: 6311

REPN: D72 02485 ; 35682 ; WANL TNR 145 ; NASA CR 70765

TEMP: A1586

TITL: TEST REPORT ON A WANL RADIATION TEST OF NERVA COMPONENTS (GTR TEST
NUMBER FOUR) (U), CA. 30 P., (CRD)

.block

14133

.endblock

.block

copy: 1 id: 47532-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14194

ADNO: 388463

CLSS: SRD 1

CONN: AF 04 (694) 537

CORP: TRW SPACE TECHNOLOGY LABS.

DATE: 6411

DESC: Nuclear Weapon Effects missile systems strategic L5

DESC: SURVEY

DESC: Nuclear Weapon Effects structures hard launch sites materials L1

BLAST AND SHOCK EMP X-RAYS GAMMA RAYS NUCLEAR RADIATION THERMAL

DESC: Solid Mechanics shock isolation L1

REPN: STL 6443 6047 RA000
SUJO: 3-112-100 ; 3-116-200 ; 9-210-000
SYST: TITAN II
TEMP: A1818
TITL: TITAN II WEAPON SYSTEM SURVIVABILITY; VOL. 1 TITAN II UPDATE STUDIES
(U), CA. 150 P., (SRD)

TREE: 399

.block

14194

.endblock

.block

copy: 1 id: 47600-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14209

AUTH: SHNIDER R.W.

CLSS: SRD 1

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)

DATE: 6412

DESC: Nuclear Test Simulation Field Programs experiment design engineering
layout performance program documents L5

DESC: Nuclear Weapon Environment Initial Gamma source strength total
intensity L5

DESC: Nuclear Weapon Phenomenology cloud columns stems L5

DESC: TABULAR

DESC: Nuclear Weapon Environment fallout intensity contours patterns L5

REPN: NRDL LR 80

TSHO: WATER-SURFACE ; UW

SUJO: 1-710-000 ; 2-224-110 ; 2-225-100 ; 4-820-000

TEMP: A0724

TITL: PREDICTIONS FOR SPIN DRIFT (U), 15 P., (SRD)

.block

14209

.endblock

.block

copy: 1 id: 47612-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14226

AUTH: BROWN R.R.

CLSS: U

CORP: BOEING CO. (SEATTLE, WASH.)

DATE: 6311

DESC: SIMULATION (REACTOR, CO60, LINAC, CYCLOTRON) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1

EFFT: NEUTRON ; GAMMA ; BETA ; TREE

SUJO: 3-221-000

TITL: EQUIVALENCE OF RADIATION PARTICLES FOR PERMANENT DAMAGE IN
SEMICONDUCTOR DEVICES (U), 5 P., (U)

TREE: 620 ; 310

.block

14226

.endblock

.block

copy: 1 id: 47654-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14486

ADNO: 415814

AUTH: MURRAY J.L.

CLSS: U

CORP: UNIVERSITY OF ROCHESTER, SCHOOL OF MEDICINE AND DENTISTRY, DEPT. OF
RADIATION BIOLOGY (ROCHESTER, N.Y.)

DATE: 6300

DESC: SUMMARY

DESC: Nuclear Weapon Effects on animals RF microwave L1 MICROWAVES

SUJO: 3-314-000

TITL: SOME BIOLOGICAL ASPECTS OF MICROWAVE RADIATION (U), 11 P., (U)

.block

14486

.endblock

.block

copy: 1 id: 47868-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14514

AUTH: WELANDER A.D. ; PALUMBO R.F.

CLSS: U

CONN: AT (45 1) 1385

CORP: UNIVERSITY OF WASHINGTON, LABORATORY OF RADIATION BIOLOGY (SEATTLE,
WASH.)

DATE: 6309

DESC: Nuclear Weapon Environment Fallout isotope concentrations L1

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects on animals ionizing radiation chronic
internal L1

REPN: UWFL 88

SUJO: 2-223-100 ; 3-312-220

TITL: RADIONUCLIDE CONTENT OF OCEANIC FISH, PLANKTON, AND WATER IN THE
VICINITY OF CHRISTMAS ISLAND, MARCH THROUGH AUGUST, 1962 (U), 37 P.,
(U)

.block

14514

.endblock

.block

copy: 1 id: 47896-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14515
AUTH: PALUMBO R.F.
CLSS: U
CONN: AT (45 1) 1385
CORP: UNIVERSITY OF WASHINGTON, LABORATORY OF RADIATION BIOLOGY (SEATTLE,
WASH.)
DATE: 6308
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra L5
DESC: Nuclear Weapon Effects on plants ionizing radiation chronic uptake
L1
DESC: Nuclear Weapon Effects on animals ionizing radiation chronic
internal L1
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment radiation decay isotopic half lives L5
REPN: UWFL 87
SUJO: 2-223-200 ; 2-223-410 ; 3-312-220 ; 3-332-220
TITL: RADIONUCLIDE CONTENT OF FOODSTUFFS COLLECTED AT CHRISTMAS ISLAND AND
AT OTHER ISLANDS OF THE CENTRAL PACIFIC DURING OPERATION DOMINIC,
1962 (U), 37 P., (U)

.block

14515

.endblock

.block

copy: 1 id: 47897-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14811
AUTH: HOOVER G.F. ; KOTT B.E. ; VAN LINT V.A.J. ; WILLIS D.E.
CLSS: U
CONN: DA 36 039 SC 89196
CORP: GENERAL ATOMIC (SAN DIEGO, CA.)
DATE: 6403
DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 CABLES
DESC: SIMULATION (LINAC) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 CAPACITORS
EFFT: TREE
REPN: GA 4961
SUJO: 3-229-000 ; 3-231-000
TITL: TRANSIENT RADIATION EFFECTS ON ELECTRONIC PARTS; REPORT NO. 7,
SEVENTH QUARTERLY PROGRESS REPORT, OCTOBER 1, 1963 THROUGH DECEMBER
31, 1963 (U), 30 P., (U)
TREE: 370 ; 390

.block

14811

.endblock

.block

copy: 1 id: 48127-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14834
AUTH: HARRITY J.W. ; POLL R.A. ; WILLIS D.E.
CLSS: U
CORP: GENERAL ATOMIC (SAN DIEGO, CA.)
DATE: 6406
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 DIODES TRANSISTORS
DESC: SIMULATION (LINAC REACTOR) ; EXPERIMENTAL
EFFT: TREE
REPN: GACD 5390
SUJO: 3-221-000
TITL: RADIATION RESPONSE OF LS-400 PHOTODIODES AND FSP-5 PHOTOTRANSISTORS;
REPORT ON (U), 10 P., (U)
TREE: 310
.block
14834
.endblock
.block
copy: 1 id: 48145-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 14835
AUTH: CHASE B.H. ; CLOSSER W.H. ; SPEERS R.R. ; SWARTZ J.M. ; THURSTON
M.O.
CLSS: U
CONN: AT (11 1) 1226
CORP: PHYLATRON CORP. (COLUMBUS, OHIO)
DATE: 6400
DESC: test instruments nuclear radiation neutron L1 FAST NEUTRONS
DESC: EXPERIMENTAL
REPN: DOO 1226 8
SUJO: 4-342-000
TITL: DEVELOPMENT OF A FAST NEUTRON DOSIMETRY SYSTEM (U), 41 P., (U)
TREE: 652
.block
14835
.endblock
.block
copy: 1 id: 48146-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 14839
AUTH: LICHTENSTEIN R.M.
CLSS: U
CONN: DA 36 039 AMC 02165
CORP: RENSSELAER POLYTECHNIC INSTITUTE (TROY, NY)
DATE: 6400
DESC: Nuclear Weapon Effects electronic pieceparts materials basic
mechanisms L1 SILICON
DESC: SIMULATION (LINAC) ; EXPERIMENTAL

EFFT: TREE
SUJO: 3-220-200
TITL: INVESTIGATION OF TRANSIENT RADIATION DAMAGE IN SEMICONDUCTOR
MATERIALS (U), 13 P., (U)

TREE: 200

.block

14839

.endblock

.block

copy: 1 id: 48150-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14880

CLSS: U

CCDE: PREDICT

CONN: DA 36 039 AMC 00161 (E)

CORP: IBM CORP., FEDERAL SYSTEMS DIV. (OWEGO, NY)

DATE: 6400

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 CAPACITORS

DESC: Nuclear Weapon Effects electronic subsystems analysis circuit
network L1 RING COUNTER CIRCUIT GATE CIRCUIT TIMING CIRCUIT

DESC: test instruments nuclear radiation dosimeters radiacs L5

DESC: SIMULATION (PULSED REACTOR CO 60 FLASH X-RAY LINAC) SCORRE ;
EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 RECTIFIERS TRANSISTORS TRIGISTORS

EFFT: TREE

REPN: IBM 65 521 01

SUJO: 3-219-000 ; 3-221-000 ; 3-229-000 ; 4-346-000

TITL: STUDY OF EFFECT OF HIGH-INTENSITY PULSED NUCLEAR RADIATION ON
ELECTRONIC PARTS AND MATERIALS (SCORRE) (U), 106 P., (U)

TREE: 300

.block

14880

.endblock

.block

copy: 1 id: 48169-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14940

AUTH: DURKEE R.K. ; LUCAS A.C.

CLSS: U

CORP: EG+G, INC. (SANTA BARBARA, CA.)

DATE: 6301

DESC: EXPERIMENTAL

DESC: Simulation Facilities Techniques TREE L5

DESC: test instruments nuclear radiation gamma L5

REPN: S 230 R

SUJO: 4-272-000 ; 4-341-000

TITLE: CALIBRATION OF A FLASH X-RAY SYSTEM (U), 18 P., (U)
TREE: 642 ; 630

.block

14940

.endblock

.block

copy: 1 id: 48227-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14945

AUTH: DURKEE R.K. ; LUCAS A.C.

CLSS: U

CORP: EG+G, INC. (SANTA BARBARA, CA.)

DATE: 6305

DESC: Nuclear Weapon Effects electronic pieceparts measuring devices
sensors detectors L5 GAMMA DETECTOR

DESC: Simulation Facilities Techniques TREE L5

DESC: SIMULATION (FLASH X-RAY) ; EXPERIMENTAL SUMMARY

DESC: test instruments nuclear radiation gamma L5

EFFT: TREE

REPN: S 236 R

SUJO: 3-224-000 ; 4-272-000 ; 4-341-000

TITLE: CALIBRATION OF A FLASH X-RAY SYSTEM (U), 23 P., (U)

.block

14945

.endblock

.block

copy: 1 id: 48232-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15012

AUTH: SCHLOSSER W. ; NEWBERG J. ; KEY J.A.

CLSS: U

CORP: ARMY ELECTRONICS COMMAND (FT. MONMOUTH, NJ)

DATE: 6407

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects electrical mechanical cables wires L1

EFFT: TREE

REPN: ECOM 2415

SUJO: 3-231-000

TITLE: PULSED NUCLEAR RADIATION INDUCED TRANSIENTS IN ELECTRICAL CABLES
(DRF NO. 1) (U), 40 P., (U)

TREE: 390

.block

15012

.endblock

.block

copy: 1 id: 48284-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15017
ADNO: 489584L
AUTH: KILMINSTER D.T. ; SACCENTI J.C. ; MCNEILLY J.H. ; BENCK R.F.
CLSS: U
CORP: ARMY NUCLEAR DEFENSE LAB. (EDGEWOOD ARSENAL, MD.)
DATE: 6312
DESC: Simulation Facilities Techniques biomedical nuclear radiation L1
DESC: EXPERIMENTAL
REPN: NDL TR 57
SUJO: 4-251-000
TITL: NEUTRON-FLUX AND GAMMA-DOSE MEASUREMENTS AT THE WRAIR REACTOR (U),
49 P., (U)

.block

15017

.endblock

.block

copy: 1 id: 48286-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15059
CLSS: U
CONN: DA 28 043 AMC 00212 (E)
CORP: IBM CORP., FEDERAL SYSTEMS DIV. (OWEGO, NY)
DATE: 6400
DESC: SIMULATION (LINAC REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts magnetic devices L1
TAPES CORES
DESC: test instruments nuclear radiation dosimeters radiacs L1
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 CAPACITORS RESISTORS
EFFT: TREE
SUJO: 3-225-000 ; 3-229-000 ; 4-346-000
TITL: STUDY OF EFFECT OF HIGH-INTENSITY PULSED NUCLEAR RADIATION ON
ELECTRONIC PARTS AND MATERIALS (SCORRE) (U), 50 P., (U)
TREE: 343 ; 370 ; 380

.block

15059

.endblock

.block

copy: 1 id: 48322-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15071
AUTH: VAN LINT V.A.J. ; WILLIS D.E.
CLSS: U
CONN: DA 36 039 SC 89196
CORP: GENERAL ATOMIC (SAN DIEGO, CA.)
DATE: 6408

DESC: SIMULATION (LINAC REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 CABLES
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 RESISTORS CAPACITORS
EFFT: TREE
REPN: GA 5365
SUJO: 3-229-000 ; 3-231-000
TITL: TRANSIENT RADIATION EFFECTS ON ELECTRONIC PARTS; REPORT NO. 9,
INTERIM FINAL REPORT, APRIL 1, 1962 THROUGH JUNE 15, 1964 (U), 45
P., (U)
TREE: 390 ; 370 ; 380

.block

15071

.endblock

.block

copy: 1 id: 48333-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15073
AUTH: COPPAGE F.N. ; PETERSON F.C.
CLSS: U
CORP: SANDIA CORP.
DATE: 6407
DESC: Nuclear Weapon Effects materials plastics resins L1 POLYSTYRENE
DESC: SIMULATION (FLASH X-RAY) ; EXPERIMENTAL
EFFT: X-RAY ; TREE
REPN: SC R 64 191
SUJO: 3-244-000
TITL: TEMPERATURE DEPENDENCE OF PHOTOCONDUCTIVITY INDUCED IN POLYSTYRENE
BY TRANSIENT RADIATION (U), 16 P., (U)
TREE: 385

.block

15073

.endblock

.block

copy: 1 id: 48335-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15074
AUTH: NICHOLS D.K. ; VAN LINT V.A.J. ; WILLIS D.E.
CLSS: U
CONN: DA 36 039 SC 89196
CORP: GENERAL ATOMIC (SAN DIEGO, CA.)
DATE: 6312
DESC: SIMULATION (LINAC REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 CABLE
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 CAPACITOR
EFFT: TREE
REPN: FA 4720

SUJO: 3-229-000 ; 3-231-000
TITL: TRANSIENT RADIATION EFFECTS ON ELECTRONIC PARTS; REPORT NO. 6, SIXTH
QUARTERLY PROGRESS REPORT, JULY 1, 1963 THROUGH SEPTEMBER 30, 1963
(U), 38 P., (U)

TREE: 390 ; 370

.block

15074

.endblock

.block

copy: 1 id: 48336-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15076

AUTH: HOPKINS G.R. ; WEIMAN A.L.A. ; WILLIS D.E.

CLSS: U

CONN: DA 36 039 SC 89196

CORP: GENERAL ATOMIC (SAN DIEGO, CA.)

DATE: 6305

DESC: SIMULATION (LINAC REACTOR) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 CABLES

EFFT: TREE

REPN: GA 4190

SUJO: 3-231-000

TITL: TRANSIENT RADIATION EFFECTS ON ELECTRONIC PARTS; REPORT NO. 4,
FOURTH QUARTERLY PROGRESS REPORT, JANUARY 1, 1963 THROUGH MARCH 31,
1963 (U), 25 P., (U)

TREE: 390

.block

15076

.endblock

.block

copy: 1 id: 48338-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15099

ADNO: 622974

AUTH: LASCARO C.P. ; SCHLOSSER W. ; NEWBERG J.

CLSS: U

CORP: ARMY ELECTRONICS COMMAND (FT. MONMOUTH, NJ)

DATE: 6412

DESC: Nuclear Weapon Effects electrical mechanical cables wires L1

DESC: Nuclear Weapon Effects electronic pieceparts integrated circuits L1

MULTIVIBRATORS

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors

vacuum tubes dielectrics relays switches L1 RESISTORS

DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL

EFFT: TREE

REPN: ECOM 2545

SUJO: 3-222-000 ; 3-229-000 ; 3-231-000

TITL: PULSED NUCLEAR RADIATION EFFECTS ON RESISTORS AND CABLES, SPRF IV

(U), 32 P., (U)

TREE: 320 ; 380 ; 390

.block

15099

.endblock

.block

copy: 1 id: 48355-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15108

AUTH: WESTMARK C.I. ; RICE W.H.

CLSS: U

CORP: SANDIA LAB. (ALBUQUERQUE, NM)

DATE: 6312

DESC: SIMULATION (PULSE REACTOR) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 POWER TRANSISTORS

EFFT: TREE

REPN: SC TM 223 63 (14)

SUJO: 3-221-000

TITL: RADIATION-INDUCED DEGRADATION OF DC CURRENT GAIN AND
COLLECTOR-TO-EMITTER SATURATION VOLTAGE FOR SELECTED POWER
TRANSISTORS (U), 59 P., (U)

TREE: 310

.block

15108

.endblock

.block

copy: 1 id: 48362-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15119

ADNO: 612032

AUTH: FRENCH R.L.

CLSS: U

CCDE: LOS MONTE CARLO PROCEDURE

CONN: DA 49 146 XZ 254

CORP: RADIATION RESEARCH ASSOCIATES INC. (FT. WORTH, TX.)

DATE: 6406

DESC: THEORY

DESC: Simulation Facilities Techniques nuclear radiation fallout
simulation L1

EFFT: GAMMA

REPN: RRA T45

SUJO: 4-242-000

TITL: COMPARATIVE STUDY OF RADIOACTIVE SOURCE ARRANGEMENTS FOR SIMULATING
FALLOUT GAMMA RADIATION FIELDS (U), 96 P., (U)

.block

15119

.endblock

.block

copy: 1 id: 48366-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15244
ADNO: 446987
AUTH: HENRY R.L. ; MOONEY L.G. ; PREVOST R.J.
CLSS: U
CCDE: SPARC ; COMBINE ; RIP
CONN: DA 23 072 AMC 124 (T)
CORP: NUCLEAR AEROSPACE RESEARCH FACILITY (FT. WORTH, TX.)
DATE: 6408
DESC: SIMULATION (REACTOR) BORATED POLYETHYLENE STEEL LEAD ; EXPERIMENTAL
CODE
DESC: Cross Sections neutron L1
DESC: Cross Sections gamma L1
REPN: FZK 183
SUJO: 9-820-000 ; 9-830-000
TTL: STUDY OF RADIATION PENETRATION AND REFLECTION FROM SHIELD MATERIALS
(U), 231 P., (U)
TREE: 411 ; 412

.block

15244

.endblock

.block

copy: 1 id: 48479-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15279
AUTH: PERKINS C.W.
CLSS: U
CONN: DA 36 039 SC 89112
CORP: HUGHES AIRCRAFT CO., GROUND SYSTEMS GROUP (FULLERTON, CA.)
DATE: 6300
DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 CABLES
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 CAPACITORS
DESC: SIMULATION (REACTOR) ; EXPERIMENTAL
EFFT: TREE
REPN: FR 63 17 102
SUJO: 3-229-000 ; 3-231-000
TTL: TRANSIENT RADIATION EFFECTS ON PASSIVE PARTS; REPORT NO. 3, THIRD
QUARTERLY PROGRESS REPORT 1 DECEMBER 1962 TO 28 FEBRUARY 1963 (U),
25 P., (U)
TREE: 390 ; 370

.block

15279

.endblock

.block

copy: 1 id: 48512-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15280
AUTH: PERKINS C.W. ; BAILEY R.E.
CLSS: U
CONN: DA 36 039 SC 89112
CORP: HUGHES AIRCRAFT CO., GROUND SYSTEMS GROUP (FULLERTON, CA.)
DATE: 6300
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 RESISTORS CAPACITORS
DESC: SIMULATION (REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 CABLES
EFFT: TREE
REPN: FR 63 17 202
SUJO: 3-229-000 ; 3-231-000
TTTL: TRANSIENT RADIATION EFFECTS IN PASSIVE PARTS; REPORT NO. 4, FOURTH
QUARTERLY PROGRESS REPORT 1 MARCH 1963 TO 31 MAY 1963 (U), 30 P.,
(U)
TREE: 390 ; 370 ; 380

.block
15280
.endblock
.block

copy: 1 id: 48513-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15281
AUTH: PERKINS C.W. ; BAILEY R.E.
CLSS: U
CONN: DA 36 039 SC 89112
CORP: HUGHES AIRCRAFT CO. (FULLERTON, CA.)
DATE: 6311
DESC: Nuclear Weapon Effects electrical mechanical cables wires L1
DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 RESISTORS
EFFT: TREE
REPN: FR 63 17 273
SUJO: 3-229-000 ; 3-231-000
TTTL: TRANSIENT RADIATION EFFECTS IN PASSIVE PARTS; FIFTH QUARTERLY
PROGRESS REPORT, 1 JUNE 1963 TO 31 AUGUST 1963 (U), 52 P., (U)
TREE: 390 ; 380

.block
15281
.endblock
.block

copy: 1 id: 48514-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15282
AUTH: PERKINS C.W. ; BAILEY R.E. ; BERGGREN C.C.
CLSS: U
CONN: DA 36 039 SC 89112
CORP: HUGHES AIRCRAFT CO., GROUND SYSTEMS GROUP (FULLERTON, CA.)
DATE: 6300
DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 RESISTORS CAPACITORS
DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 CABLES
EFFT: TREE
REPN: FR 63 17 292
SUJO: 3-229-000 ; 3-231-000
TITL: TRANSIENT RADIATION EFFECTS ON PASSIVE PARTS; REPORT NO. 6, SIXTH
QUARTERLY PROGRESS REPORT, 1 SEPTEMBER 1963 TO 30 NOVEMBER 1963 (U),
57 P., (U)
TREE: 390 ; 380 ; 370

.block

15282

.endblock

.block

copy: 1 id: 48515-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15283
AUTH: PERKINS C.W. ; BAILEY R.E.
CLSS: U
CONN: DA 36 039 SC 89112
CORP: HUGHES AIRCRAFT CO., GROUND SYSTEMS GROUP (FULLERTON, CA.)
DATE: 6400
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 CAPACITORS
DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 CABLES
DESC: SIMULATION (REACTOR) ; EXPERIMENTAL
EFFT: TREE
REPN: FR 64 17 57
SUJO: 3-229-000 ; 3-231-000
TITL: TRANSIENT RADIATION EFFECTS ON PASSIVE PARTS; REPORT NO. 7, SEVENTH
QUARTERLY PROGRESS REPORT 1 DECEMBER 1963 TO 29 FEBRUARY 1964 (U),
35 P., (U)
TREE: 390 ; 370

.block

15283

.endblock

.block

copy: 1 id: 48516-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15284
ADNO: 447122

AUTH: PERKINS C.W. ; BAILEY R.E.
CLSS: U
CONN: DA 36 039 SC 89112
CORP: HUGHES AIRCRAFT CO., GROUND SYSTEMS GROUP (FULLERTON, CA.)
DATE: 6400
DESC: SIMULATION (REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 CABLES
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 CAPACITORS RESISTORS
EFFT: TREE
REPN: FR 64 10 136
SUJO: 3-229-000 ; 3-231-000
TITL: TRANSIENT RADIATION EFFECTS ON PASSIVE PARTS; REPORT NO. 8, 1 JUNE
1963 TO 31 MAY 1964 (U), 117 P., (U)
TREE: 390 ; 370
.block
15284
.endblock
.block
copy: 1 id: 48517-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15285
AUTH: PERKINS C.W.
CLSS: U
CORP: HUGHES AIRCRAFT CO., GROUND SYSTEMS GROUP (FULLERTON, CA.)
DATE: 6304
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 CAPACITORS RESISTORS
DESC: SIMULATION (REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 CABLES
EFFT: TREE
SUJO: 3-229-000 ; 3-231-000
TITL: TRANSIENT RADIATION EFFECTS IN PASSIVE PARTS (U), 10 P., (U)
TREE: 390
.block
15285
.endblock
.block
copy: 1 id: 48518-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15296
AUTH: MAGNUSON R.A.
CLSS: U
CONN: DA 36 039 AMC 02293 (E)
CORP: GENERAL ELECTRIC CO., TUBE DEPT. (PALO ALTO, CA.)
DATE: 6400
DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors

vacuum tubes dielectrics relays switches L1 TRAVELING WAVE TUBES

EFFT: TREE
REPN: R 64 ELM 248 3
SUJO: 3-229-000
TITL: RADIATION EFFECTS ON MICROWAVE DEVICES; REPORT NO. 3 (U), 25 P., (U)
TREE: 305

.block

15296

.endblock

.block

copy: 1 id: 48526-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15297
AUTH: GERSTEIN B. ; FUEYO A. ; TRAINOR F.
CLSS: U
CONN: DA 36 039 AMC 00002 (E)
CORP: ADMIRAL CORP. (CHICAGO, ILL.)
DATE: 6406
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 CRYSTAL OSCILLATORS
DESC: SIMULATION (PULSED REACTOR, CO 60) ; EXPERIMENTAL
EFFT: TREE
SUJO: 3-229-000
TITL: EFFECTS OF NUCLEAR RADIATION ON FREQUENCY CONTROL DEVICES (U), 50
P., (U)
TREE: 367

.block

15297

.endblock

.block

copy: 1 id: 48527-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15298
CLSS: U
CONN: AF 33 (657) 11400
CORP: GENERAL ELECTRIC CO., TUBE DEPT. (OWENSBORO, KY.)
DATE: 6408
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 CAPACITORS RESISTORS
TRICODES
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 DIODES
DESC: Nuclear Weapon Effects electronic pieceparts integrated circuits L1
NAND GATES PHASE SHIFT OSCILLATOR FLIP FLOP CATHODE FOLLOWER
DESC: SIMULATION (FLASH X-RAY, LINAC) 600 DEGREE C ; EXPERIMENTAL
EFFT: TREE ; THERMAL
REPN: AL TDR 64 187
SUJO: 3-221-000 ; 3-222-000 ; 3-229-000

TITL: RESEARCH ON RADIATION-RESISTANT HIGH-TEMPERATURE THERMIONIC
CIRCUITRY (U), 140 P., (U)

TREE: 300

.block

15298

.endblock

.block

copy: 1 id: 48528-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15309

AUTH: VESECKY J.

CLSS: U

CORP: LTV, MILITARY ELECTRONICS DIV.

DATE: 6403

DESC: SIMULATION (REACTOR) ; EXPERIMENTAL SURVEY

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L5 THIN FILM FET

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L5 THIN FILM NICHROME
RESISTORS S.O. + TA CAPACITORS

DESC: Radiation Transport L5

EFFT: TREE

REPN: ME RD3R 2

SUJO: 3-221-000 ; 3-229-000 ; 9-600-000

TITL: RADIATION EFFECTS ON THIN-FILM MICROELECTRONICS (U), 25 P., (U)

TREE: 320

.block

15309

.endblock

.block

copy: 1 id: 48537-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15321

AUTH: TERRY F.D.

CLSS: U

CONN: AT (10 1) 205

CORP: PHILLIPS PETROLEUM CO.

DATE: 6311

DESC: test instruments test hardware pressure stress L1

DESC: test instruments test hardware velocity measurement L1

DESC: test instruments test hardware acceleration measurement L1

DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 CABLES

DESC: SIMULATION (REACTOR) ; EXPERIMENTAL

REPN: IDO 16914

SUJO: 3-231-000 ; 4-311-000 ; 4-314-000 ; 4-315-000

TITL: EFFECTS OF TRANSIENT NUCLEAR RADIATION ON TRANSDUCERS AND ELECTRICAL
CABLES (U), 27 P., (U)

TREE: 390 ; 363

.block

15321

.endblock

.block

copy: 1 id: 48545-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15322

AUTH: GREENWOOD R.E. ; HARRISON G.R.

CLSS: U

CONN: DA 36 039 SC 89113

CORP: SPERRY MICROWAVE ELECTRONICS CO. (CLEARWATER, FL.)

DATE: 6408

DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 CABLES

DESC: Nuclear Weapon Effects Communications Systems C4 hardware radio

microwave systems L1

DESC: SIMULATION (REACTOR) ; EXPERIMENTAL

EFFT: TREE

REPN: SJ 222 0041 8

SUJO: 3-132-220 ; 3-231-000

TITL: STUDY OF PULSED RADIATION EFFECTS ON MICROWAVE FERRITE DUPLEXERS;

REPORT NO. 8, FINAL REPORT (U), CA. 100 P., (U)

TREE: 390 ; 395

.block

15322

.endblock

.block

copy: 1 id: 48546-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15343

AUTH: RAMUS J.E.

CLSS: U

CONN: W 7405 ENG 48

CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)

DATE: 6403

DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts measuring devices

sensors detectors L1 NI + SI TEMPERATIVE SENSOR THERMOCOUPLE

CIRCUITS STRAIN GAGES

EFFT: TREE

REPN: UCRL 7755

SUJO: 3-224-000

TITL: RADIATION INDUCED ELECTRICAL TRANSIENTS IN STRAIN GAGE AND

TEMPERATURE TRANSDUCER CIRCUITS IN A PULSED REACTOR ENVIRONMENT (U),

35 P., (U)

TREE: 363

.block

15343

.endblock

.block

copy: 1 id: 48566-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15347
AUTH: WIKNER E.G. ; HORIYE H. ; LARSEN J.E. ; NICHOLS D.K.
CLSS: U
CCDE: GAPLSN ; GAM ; GATHER ; COMBO
CONN: DA 49 186 3RD 984
CORP: GENERAL ATOMIC (SAN DIEGO, CA.)
DATE: 6403
DESC: SIMULATION (LINAC, PULSED REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts materials basic
mechanisms L1 GE SI
DESC: test instruments nuclear radiation neutron L1
EFFT: TREE
REPN: GA 5088
SHOT: SMALL BOY
TSHO: UG-CONTAINED
SUJO: 3-220-200 ; 4-342-000
TITL: DISPLACEMENT RADIATION EFFECTS (U), 95 P., (U)
TREE: 200

.block

15347

.endblock

.block

copy: 1 id: 48569-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15348
AUTH: COMPTON D.M.J. ; POLL R.A.
CLSS: U
CONN: DA 49 186 ORD 939
CORP: GENERAL ATOMIC (SAN DIEGO, CA.)
DATE: 6304
DESC: Nuclear Weapon Effects electronic pieceparts materials basic
mechanisms L1 INSULATING LIQUIDS TRANSFORMER OIL CYCLOHEXENE
SILICONE + KEL-F GREASE BENZENE XYLENE SILICONE OIL GE SI N (GAS)
DESC: Nuclear Weapon Effects materials plastics resins L1 PLASTIC FILMS
BULK POLYSTYRENE
DESC: SIMULATION (LINAC) ; EXPERIMENTAL
DESC: test instruments nuclear radiation gamma L1
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1
DESC: Nuclear Weapon Effects materials metals alloys L1 CU PT AL
EFFT: TREE
REPN: GA 4164
SUJO: 3-220-200 ; 3-221-000 ; 3-243-000 ; 3-244-000 ; 4-341-000
TITL: TRANSIENT RADIATION EFFECTS (U), CA. 100 P., (U)
TREE: 310

.block

15348

.endblock

.block

copy: 1 id: 48570-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15349

AUTH: LYNCH F.T. ; LONG A.L.

CLSS: U

CORP: BURROUGHS CORP. (PAOLI, PA.)

DATE: 6407

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTORS

DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL

EFFT: TREE

SUJO: 3-221-000

TITL: STUDY OF THE TEMPERATURE DEPENDENCE OF RADIATION DAMAGE TO
TRANSISTOR GAIN AND LEAKAGE (U), 6 P., (U)

TREE: 310

.block

15349

.endblock

.block

copy: 1 id: 48571-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15352

AUTH: VAN LINT V.A.J.

CLSS: U

CORP: GENERAL ATOMIC (SAN DIEGO, CA.)

DATE: 6306

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 ELECTRONIC MATERIALS

DESC: SURVEY

EFFT: TREE

REPN: GA 4320

SUJO: 3-229-000

TITL: MECHANISMS OF TRANSIENT RADIATION EFFECTS (U), 20 P., (U)

TREE: 200

.block

15352

.endblock

.block

copy: 1 id: 48574-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15373

AUTH: HESTER D.L. ; GLOWER D.D. ; OVERTON L.J.
CLSS: U
CORP: SANDIA CORP. (ALBUQUERQUE, N.M.)
DATE: 6407
DESC: test instruments nuclear radiation dosimeters radiacs L1
DESC: Nuclear Weapon Effects electronic pieceparts measuring devices
sensors detectors L1
DESC: SIMULATION (PULSED REACTOR, FLASH X-RAY) ; EXPERIMENTAL
EFFT: GAMMA ; TREE
REPN: SC R 64 197
SUJO: 3-224-000 ; 4-346-000
TITL: USE OF FERROELECTRICS FOR GAMMA-RAY DOSIMETRY (U), 10 P., (U)
TREE: 651

.block

15373

.endblock

.block

copy: 1 id: 48592-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15375
AUTH: LICHTENSTEIN R.M.
CLSS: U
CONN: DA 36 039 AMC 02165 (E)
CORP: ARMY ELECTRONICS RESEARCH AND DEVELOPMENT LABS. (FORT MONMOUTH,
N.J.)
DATE: 6400
DESC: test instruments nuclear radiation L1
DESC: SUMMARY
SUJO: 4-340-000
TITL: INVESTIGATION OF TRANSIENT RADIATION DAMAGE IN SEMICONDUCTOR
MATERIALS (U), 5 P., (U)
TREE: 651

.block

15375

.endblock

.block

copy: 1 id: 48594-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15433
AUTH: SCHALLHORN D.R. ; CONRAD E.E. ; ELLSWORTH E.I.
CLSS: U
CORP: HARRY DIAMOND LABS. (WASH., D.C.)
DATE: 6312
DESC: SIMULATION (REACTOR CO60) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 CABLES
EFFT: TREE
REPN: HDL TR 1167
SUJO: 3-231-000

TITL: RADIATION-INDUCED CABLE CURRENTS; PART 1 (U), 26 P., (U)
TREE: 390

.block

15433

.endblock

.block

copy: 1 id: 48633-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15481

CLSS: U

CONN: DA O6 039 AMC 00161 (E)

CORP: IBM CORP., FEDERAL SYSTEMS DIV. (OWEGO, N.Y.)

DATE: 6300

DESC: Nuclear RDT&E Research Program Descriptions electronic vulnerability
L1 CERAMIC CAPACITORS

DESC: EXPERIMENTAL

REPN: IBM 63 521 12

SUJO: 4-170-000

TITL: STUDY OF EFFECT OF HIGH-INTENSITY PULSED NUCLEAR RADIATION ON
ELECTRONIC PARTS AND MATERIALS (SCORRE) (U), 25 P., (U)

TREE: 370

.block

15481

.endblock

.block

copy: 1 id: 48671-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15482

AUTH: PLANKIS E.P.

CLSS: U

CORP: GENERAL ELECTRIC CO., POWER TUBE DEPT. (SCHENECTADY, N.Y.)

DATE: 6306

DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL

EFFT: TREE

REPN: GE 7

TITL: RADIATION EFFECTS ON MICROWAVE DEVICES (U), 20 P., (U)

TREE: 305

.block

15482

.endblock

.block

copy: 1 id: 48672-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15483

AUTH: SCHWARZ E.G.K. ; SCHULZ W.G. ; SIGMON B. ; STRAUSS R.

CLSS: U
CONN: DA 36 039 SC 90701
CORP: ARINC RESEARCH CORP. (WASH., D.C.)
DATE: 6304
DESC: SIMULATION (PULSED REACTOR)
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 TRIODES TETRODES
REPN: PUBL. 232 01 1 365
SUJO: 3-229-000
TITL: ANALYSIS OF RADIATION EFFECTS DATA ON ELECTRON TUBES AND
SEMICONDUCTOR DEVICES (U), 75 P., (U)
TREE: 305 ; 310

.block

15483

.endblock

.block

copy: 1 id: 48673-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15496
AUTH: GERSTEIN B. ; FUEYO A. ; TRAINOR F.
CLSS: U
CONN: DA 36 039 AMC 00002(E)
CORP: ADMIRAL CORP. (CHICAGO, IL.)
DATE: 6303
DESC: EXPERIMENTAL
DESC: Nuclear RDT&E Research Program Descriptions electronic vulnerability
L1 QUARTZ CRYSTAL UNITS
EFFT: TREE
REPN: REPT. 2 ; G3988 Q2 1
SUJO: 4-170-000
TITL: EFFECTS OF NUCLEAR RADIATION ON FREQUENCY CONTROL DEVICES (U), CA.
40 P., (U)
TREE: 367

.block

15496

.endblock

.block

copy: 1 id: 48683-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15497
AUTH: GOODMAN M.R.
CLSS: U
CORP: BELL AEROSYSTEMS CO.
DATE: 6309
DESC: SIMULATION (VAN DE GRAFF, REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTOR
DESC: Nuclear Weapon Effects electrical mechanical cables wires L5 TEFLON

COVERED WIRES

DESC: Nuclear Weapon Effects electronic pieceparts measuring devices
sensors detectors L1 ACCELEROMETER

EFFT: TREE

REPN: RESEARCH REPT. 9123 920004

SUJO: 3-221-000 ; 3-224-000 ; 3-231-000

TITL: EFFECTS OF NUCLEAR RADIATION ON A MODEL IV A BELL ACCELEROMETER (U),
70 P., (U)

TREE: 363

.block

15497

.endblock

.block

copy: 1 id: 48684-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15498

AUTH: CALME E.E. ; PATTERSON W.J.

CLSS: U

CONN: DA 36 039 SC 90735

CORP: GENERAL ELECTRIC CO., RECEIVING TUBE DEPT. (OWENSBORO, KY.)

DATE: 6300

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 TRIODES

DESC: SIMULATION (LINAC, PULSED REACTOR) ; EXPERIMENTAL

EFFT: TREE

REPN: REPT. 3

SUJO: 3-229-000

TITL: BASIC RADIATION EFFECTS MECHANISM STUDY ON ELECTRON TUBES; THIRD
QUARTERLY PROGRESS REPORT (U), 60 P., (U)

TREE: 200 ; 305

.block

15498

.endblock

.block

copy: 1 id: 48685-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15499

AUTH: PERKINS C.W.

CLSS: U

CONN: DA 36 039 SC 90703

CORP: HUGHES AIRCRAFT CO. (FULLERTON, CA.)

DATE: 6300

DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTORS

EFFT: TREE

REPN: REPT. 3

SUJO: 3-221-000

TITL: DETERMINATION OF TRANSISTOR FIGURE-OF-MERIT FOR RADIATION EFFECTS
(U), 40 P., (U)

TREE: 310 ; 250

.block

15499

.endblock

.block

copy: 1 id: 48686-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15547

AUTH: CROWE J.W.

CLSS: U

CORP: ATOMICS INTERNATIONAL

DATE: 6411

DESC: SIMULATION (FLASH X-RAY) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTORS

DESC: Nuclear Weapon Effects electronic subsystems recorders amplifiers L1
TRANSISTOR AMPLIFIER

DESC: Nuclear Weapon Effects electronic pieceparts integrated circuits L1

EFFT: TREE

REPN: AI 64 TDR 253

SUJO: 3-213-000 ; 3-221-000 ; 3-222-000

TITL: TECHNIQUE FOR HARDENING JUNCTION TRANSISTOR CIRCUITS TO IONIZING
RADIATION (U), 25 P., (U)

TREE: 420

.block

15547

.endblock

.block

copy: 1 id: 48727-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15578

ADNO: 454056

AUTH: BROADWAY N.J. ; PALINCHAK S.

CLSS: U

CONN: AF 33(615) 1124

CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS, OH.)

DATE: 6408

DESC: Nuclear Weapon Effects materials plastics resins L1 MANY ELASTOMERS
AND PLASTICS

DESC: Nuclear Weapon Effects electrical mechanical non-aircraft engines
non-missile motors L1 INSULATION

DESC: Nuclear Weapon Effects materials coatings laminates L1

DESC: STATE OF THE ART REVIEW ; SUMMARY

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 POTTING COMPOUNDS

EFFT: NEUTRON ; GAMMA

REPN: REIC 21 (ADD.)
SUJO: 3-229-000 ; 3-233-000 ; 3-244-000 ; 3-245-000
TITL: EFFECT OF NUCLEAR RADIATION ON ELASTOMERIC AND PLASTIC COMPONENTS
AND MATERIALS (U), CA. 200 P., (U)

TREE: 385

.block

15578

.endblock

.block

copy: 1 id: 48756-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15582

ADNO: 414669

AUTH: MELEHAN J.B. ; STORHOK V.W. ; BURIAN R.J. ; KANGILASKI M. ; WULLAERT
R.A.

CLSS: U

CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS, OH.)

DATE: 6306

DESC: REIC STATE OF THE ART REPORT

REPN: REIC 27

TITL: EFFECT OF NUCLEAR RADIATION ON CERAMIC REACTOR-FUEL MATERIALS (U),
80 P., (U)

.block

15582

.endblock

.block

copy: 1 id: 48759-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15584

ADNO: 405431

AUTH: CHAPIN W.E. ; HAMMAN D.J. ; WYLER E.N.

CLSS: U

CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS, OH.)

DATE: 6304

DESC: Nuclear Weapon Effects electronic pieceparts measuring devices
sensors detectors L1 ALL VARIETIES OF TRANSDUCERS

DESC: REIC STATE OF THE ART REVIEW ; SUMMARY

REPN: REIC 25

SUJO: 3-224-000

TITL: EFFECT OF NUCLEAR RADIATION ON TRANSDUCERS (U), 140 P., (U)

TREE: 363

.block

15584

.endblock

.block

copy: 1 id: 48760-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15640
ADNO: 442524
AUTH: GREENWOOD R.E. ; HARRISON G.R.
CLSS: U
CONN: DA 36 039 SC 89113
CORP: SPERRY MICROWAVE ELECTRONICS CO. (CLEARWATER, FL.)
DATE: 6403
DESC: SIMULATION (PULSED REACTOR) COAX C BAND FERRITE DUPLEXER WAVEGUIDE
FERRITE DUPLEXING DEVICES FERRITE ISOLATOR FERRITE CIRCULATOR ;
EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic subsystems guidance control L1
DESC: Nuclear Weapon Effects electronic pieceparts measuring devices
sensors detectors L1
EFFT: TREE
REPN: SJ 222 0041 7
SUJO: 3-211-000 ; 3-224-000
TITL: STUDY OF PULSED RADIATION EFFECTS ON MICROWAVE FERRITE DUPLEXERS;
SEVENTH QUARTERLY REPORT (U), CA. 65 P., (U)
TREE: 386 ; 342

.block

15640

.endblock

.block

copy: 1 id: 48805-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15641
AUTH: KLEINER C.T. ; KINOSHITA G. ; JOHNSON E.D.
CLSS: U
CCDE: TRAC ; SCAN ; SCAN II
CORP: AUTONETICS (ANAHEIM, CA.)
DATE: 6406
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 DIODE TRANSISTOR
DESC: SIMULATION (FLASH X-RAY)
EFFT: TREE
SUJO: 3-221-000
TITL: SIMULATION AND VERIFICATION OF TRANSIENT NUCLEAR RADIATION EFFECTS
ON SEMICONDUCTOR ELECTRONICS (U), 21 P., (U)
TREE: 310

.block

15641

.endblock

.block

copy: 1 id: 48806-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15642

AUTH: CHENEY G.T. ; COMPTON D.M.J. ; POLL R.A.
CLSS: U
CONN: DA 49 186 AMC 65 (X)
CORP: GENERAL ATOMIC (SAN DIEGO, CA.)
DATE: 6407
DESC: Nuclear Weapon Effects electronic pieceparts materials basic
mechanisms L1 MYLAR POLYETHYLENE TEFLON + KODAR FILMS
DESC: SIMULATION (LINAC) ; EXPERIMENTAL
EFFT: GAMMA ; BETA ; TREE
REPN: GA 5480
SUJO: 3-220-200
TITL: RADIATION-INDUCED CONDUCTIVITY IN PLASTIC FILMS AT HIGH DOSE RATES
(U), 38 P., (U)
TREE: 385

.block

15642

.endblock

.block

copy: 1 id: 48807-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15644
AUTH: GETTEN T.C. ; COFFIN E.M. ; GRIFFIN E.E. JR. ; HOFFMAN A.S.
CLSS: U
CORP: AUTONETICS (ANAHEIM, CA.)
DATE: 6406
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 RESISTORS
DESC: SIMULATION (FLASH X-RAY) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts integrated circuits L1
EFFT: TREE
SUJO: 3-222-000 ; 3-229-000
TITL: TRANSIENT RADIATION EFFECTS ON COMMON MICROELECTRONIC RESISTOR TYPES
(U), 11 P., (U)
TREE: 320

.block

15644

.endblock

.block

copy: 1 id: 48808-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15648
AUTH: RUSSELL J.A. ; ELPHICK B.L.
CLSS: SRD
CORP: UNITED KINGDOM ATOMIC ENERGY AUTHORITY
DATE: 6402
DESC: Nuclear Test Simulation Field Programs experiment design EMP earth
currents geomagnetic effects L1
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse EMP L1 AIR

CONDUCTIVITY

DESC: Nuclear Weapon Phenomenology ionization mechanisms chemistry initial gamma L1

DESC: test instruments EM propagation atmospheric chemistry direct probes L1

DESC: THEORY EXPERIMENTAL

DESC: Nuclear Test Simulation Field Programs experiment design atmospheric ionization RF propagation noise L1

DESC: test instruments EM propagation atmospheric chemistry transmitters receivers antennas L1

EMPF: 870 ; 251

LA: UK

REPN: AWRE T 32/63 ; ACO/UK/2099

SHOT: SMALL BOY

TSHO: SURFACE

SUJO: 2-312-200 ; 2-510-000 ; 4-324-000 ; 4-327-000 ; 4-823-000 ; 4-824-000

TEMP: A3739

TITL: CONDUCTIVITY OF AIR IONISED BY PROMPT RADIATION FROM A NUCLEAR EXPLOSION, MEASURED BY THE ABSORPTION OF 10 CM MICROWAVES; OPERATION SMALLBOY (U), 77 P., (SRD)

.block

15648

.endblock

.block

copy: 1 id: 48812-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15660

AUTH: KAUFMAN A.B. ; NEWHOFF H.R. ; GAZ R.A.

CLSS: U

CONN: AF 33 (657) 10584

CORP: LITTON SYSTEMS, INC. (WOODLAND HILLS, CA.)

DATE: 6402

DESC: SIMULATION (STEADY STATE + PULSED REACTOR, CO 60)

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors vacuum tubes dielectrics relays switches L1 MYLAR + TANTALUM CAPACITORS METAL FILM RESISTORS TRANSFORMER

DESC: Nuclear Weapon Effects electronic subsystems recorders amplifiers L1 PREAMP

DESC: Simulation Facilities Techniques nuclear radiation reactors isotopic sources L1 N ENERGY SPECTRA

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes silicon-controlled rectifiers L1 GE TRANSISTOR FET

REPN: FDL TDR 64 30

SUJO: 3-213-000 ; 3-221-000 ; 3-229-000 ; 4-241-000

TITL: EFFECTS OF NEUTRON AND GAMMA RAY SPECTRA ON FLIGHT CONTROL SYSTEMS (U), 125 P., (U)

TREE: 342 ; 310 ; 370

.block

15660

.endblock

.block

copy: 1 id: 48820-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15662
CLSS: U
CONN: DA 36 039 AMC 00161 (E)
CORP: IBM CORP. (OWEGO, N.Y.)
DATE: 6400
DESC: Nuclear RDT&E Research Program Descriptions electronic vulnerability

L1

DESC: CAPACITORS ; EXPERIMENTAL
EFFT: TREE
REPN: IBM 64 521 8 ; REPT. 5
SUJO: 4-170-000
TITL: STUDY OF EFFECT OF HIGH-INTENSITY PULSED NUCLEAR RADIATION ON
ELECTRONIC PARTS AND MATERIALS (SCORRE) (U), 28 P., (U)
TREE: 370

.block

15662

.endblock

.block

copy: 1 id: 48822-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15663
CLSS: U
CONN: DA 36 039 AMC 00161 (E)
CORP: IBM CORP. (OWEGO, N.Y.)
DATE: 6400
DESC: SIMULATION (LINAC) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 TANTALUM OXIDE HIGH K
CERAMIC GLASS

DESC: test instruments nuclear radiation beta electron beams L1
EFFT: BETA
REPN: IBM 64 521 2 ; REPT. 4
SUJO: 3-229-000 ; 4-344-000
TITL: STUDY OF EFFECT OF HIGH-INTENSITY PULSED NUCLEAR RADIATION ON
ELECTRONIC PARTS AND MATERIALS (SCORRE) (U), 45 P., (U)
TREE: 642 ; 370

.block

15663

.endblock

.block

copy: 1 id: 48823-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15664
AUTH: HSIEH E.J.
CLSS: U
CORP: AUTONETICS (FULLERTON, CA.)
DATE: 6303
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTORS
DESC: Nuclear Weapon Effects missile systems strategic electronics L1
EFFT: TREE
REPN: TM 31 025 53 172
SUJO: 3-112-130 ; 3-221-000
TITL: ESTIMATION OF RADIATION TOLERANCE FOR MINUTEMAN TRANSISTORS (U), 20
P., (U)
TREE: 310

.block

15664

.endblock

.block

copy: 1 id: 48824-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15665
AUTH: GERSTEIN B. ; FUEYO A. ; TRAINOR F.
CLSS: U
CONN: DA 36 039 AMC 00002 (E)
CORP: ADMIRAL CORP. (CHICAGO, IL.)
DATE: 6300
DESC: SIMULATION (LINAC) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic subsystems analysis circuit
network L1 QUARTZ CRYSTAL OSCILLATORS
EFFT: TREE
REPN: G3988 Q3 3
SUJO: 3-219-000
TITL: EFFECTS OF NUCLEAR RADIATION ON FREQUENCY CONTROL DEVICES (U), CA.
30 P., (U)
TREE: 367

.block

15665

.endblock

.block

copy: 1 id: 48825-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15666
ADNO: 418466
AUTH: DENSON R. ; GERBER M.J. ; HORIYE H. ; NICHOLS D.K. ; POLL R.A. ;
ROOS B.W. ; STAHL R.H. ; VAN LINT V.A.J.
CLSS: U
CONN: AF 29 (601) 5685
CORP: GENERAL DYNAMICS CORP., GENERAL ATOMIC DIV. (SAN DIEGO, CA.)

DATE: 6307
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 DIODES
DESC: SIMULATION (LINAC) ; EXPERIMENTAL
DESC: test instruments electronic vulnerability TREE L1 TRANSISTOR
PERFORMANCE MONITOR
EFFT: BETA
REPN: GACD 4418
SUJO: 3-221-000 ; 4-372-000
TITL: PULSED GAMMA RADIATION ON DYNAMIC ELECTRONIC COMPONENTS (U), 33 P.,
(U)
TREE: 310

.block
15666
.endblock

.block
copy: 1 id: 48826-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15668
AUTH: MICKEY D.D.
CLSS: U
CORP: GENERAL ELECTRIC CO., RECEIVING TUBE DEPT. (OWENSBORO, KY.)
DATE: 6311
DESC: Nuclear Weapon Effects materials ceramics optical L1 FORSTERITE TYPE
CERAMIC
DESC: Nuclear Weapon Effects materials metals alloys L1 W MO NI TI
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 TRIODES DIODES
DESC: Nuclear Weapon Effects electronic pieceparts materials basic
mechanisms L1 MICA
DESC: SIMULATION (PULSED REACTOR, LINAC) ; EXPERIMENTAL
EFFT: TREE
REPN: 63 ETR 20
SUJO: 3-220-200 ; 3-229-000 ; 3-241-000 ; 3-243-000
TITL: TRANSIENT RADIATION EFFECTS IN ELECTRON TUBES (U), 22 P., (U)
TREE: 305

.block
15668
.endblock

.block
copy: 1 id: 48828-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15669
CLSS: U
CONN: DA 36 039 SC 90738
CORP: NORTHROP VENTURA
DATE: 6309
DESC: Nuclear Weapon Effects electronic subsystems L1

DESC: BIBLIOGRAPHY
DESC: Nuclear Weapon Effects electrical mechanical L1
EFFT: TREE
SUJO: 3-200-000 ; 3-230-000
TITL: NORTHROP-VENTURA RADIATION EFFECTS BIBLIOGRAPHY (U), 75 P., (U)
TREE: 150

.block

15669

.endblock

.block

copy: 1 id: 48829-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15670
AUTH: MAGNUSON R.A.
CLSS: U
CONN: DA 36 039 AMC 02293(E)
CORP: GENERAL ELECTRIC CO., TUBE DEPT. (PALO ALTO, CA.)
DATE: 6300
DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 MICROWAVE TUBES
EFFT: TREE
REPN: 63 ELM 248 2
SUJO: 3-229-000
TITL: RADIATION EFFECTS ON MICROWAVE DEVICES (U), 30 P., (U)
TREE: 305

.block

15670

.endblock

.block

copy: 1 id: 48830-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15671
CLSS: U
CORP: INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC. (LENOX HILL
STATION, N.Y.)
DATE: 6306
DESC: Nuclear Weapon Effects materials plastics resins L1
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 CAPACITORS
DESC: REIC 23504 ; HANDBOOK
DESC: Nuclear Weapon Effects electronic pieceparts materials basic
mechanisms L1 DIELECTRIC LIQUIDS
DESC: Nuclear Weapon Effects electrical mechanical L1 PAINTS ADHESIVES
EFFT: TREE
REPN: S 146
SUJO: 3-220-200 ; 3-229-000 ; 3-239-000 ; 3-244-000
TITL: RADIATION EFFECTS HANDBOOK (U), 96 P., (U)

TREE: 370 ; 385

.block

15671

.endblock

.block

copy: 1 id: 48831-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15678

CLSS: U

CONN: NOBSR 87267

CORP: BENDIX CORP., BENDIX SYSTEMS DIV. (ANN ARBOR, MI.)

DATE: 6308

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTORS

DESC: Nuclear Weapon Effects electronic subsystems recorders amplifiers L1
AMPLIFIERS

DESC: SIMULATION (FISSION PRODUCTS) TEMPERATURE EFFECT 0-50 DEGREE C ;
EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic subsystems analysis circuit
network L1 UNIJUNCTION MULTIVIBRATOR PHASE SHIFT OSCILLATOR
COMPLEMENTARY SYMMETRY EMITTER FOLLOWER

EFFT: GAMMA

REPN: BSC 39655

SUJO: 3-213-000 ; 3-219-000 ; 3-221-000

TITL: STUDY TO DETERMINE EFFECTS OF FISSION PRODUCT GAMMA RADIATION ON
ELECTRONIC PARTS AND EQUIPMENT (U), CA. 100 P., (U)

TREE: 300

.block

15678

.endblock

.block

copy: 1 id: 48837-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15679

AUTH: CALME E.E.

CLSS: U

CONN: DA 36 039 SC 90735

CORP: GENERAL ELECTRIC CO., RECEIVING TUBE DEPT. (OWENSBORO, KY.)

DATE: 6300

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 TRIODES

DESC: Nuclear Weapon Effects materials ceramics optical L1 CERAMIC

DESC: Nuclear Weapon Effects materials metals alloys L1 TI NI MO W

DESC: SIMULATION (PULSED REACTOR, LINAC) ; EXPERIMENTAL

EFFT: TREE

SUJO: 3-229-000 ; 3-241-000 ; 3-243-000

TITL: BASIC RADIATION EFFECTS MECHANISM STUDY ON ELECTRON TUBES; REPORT
NO. 4, FOURTH QUARTERLY PROGRESS REPORT 1 MARCH 1963 THROUGH 31 MAY

1963 (U), 46 P., (U)

TREE: 200 ; 305

.block

15679

.endblock

.block

copy: 1 id: 48838-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15681

ADNO: 420958

AUTH: LICHTENSTEIN R.M.

CLSS: U

CONN: DA 36 039 AMC 02165

CORP: RENSSELAER POLYTECHNIC INSTITUTE (TROY, N.Y.)

DATE: 6300

DESC: test instruments electronic vulnerability TREE L1 BATTERY OPERATED
AMPLIFIER CATHODE FOLLOWER

DESC: EXPERIMENTAL

SUJO: 4-372-000

TITL: INVESTIGATION OF TRANSIENT RADIATION DAMAGE IN SEMICONDUCTOR
MATERIALS; FIRST QUARTERLY PROGRESS REPORT 1 FEBRUARY 1963 -30 APRIL
1963 (U), 25 P., (U)

.block

15681

.endblock

.block

copy: 1 id: 48840-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15696

CLSS: U

CONN: DA 36 039 AMC 02352(E)

CORP: HUGHES AIRCRAFT CO., SEMICONDUCTOR DIV. (NEWPORT BEACH, CA.) ;
HUGHES AIRCRAFT CO., NUCLEONICS DIV. (FULLERTON, CA.)

DATE: 6300

DESC: Nuclear Weapon Effects electronic pieceparts materials basic
mechanisms L1 SI

DESC: SIMULATION (LINAC) ; EXPERIMENTAL

EFFT: TREE

SUJO: 3-220-200

TITL: TRANSISTOR DESIGN EFFECTS ON RADIATION RESISTANCE (U), 50 P., (U)

TREE: 430 ; 200

.block

15696

.endblock

.block

copy: 1 id: 48847-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15698
AUTH: HONNOLD V.R. ; EMMERT R.R. ; PEFFLEY W.M. ; BERGGREN C.C.
CLSS: U
CONN: NONR 3653 (00)
CORP: HUGHES AIRCRAFT CO., GROUND SYSTEMS DIV. (FULLERTON, CA.)
DATE: 6311
DESC: SIMULATION (LINAC) TEMPERATURE EFFECTS ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts materials basic
mechanisms L1 NA CL KCL KBR GE CRYSTALS
EFFT: TREE
REPN: FR 63 17 279
SUJO: 3-220-200
TITL: INVESTIGATION OF BASIC MECHANISMS OF TRANSIENT HIGH ENERGY RADIATION
EFFECTS IN INSULATORS AND SEMICONDUCTORS (U), 73 P., (U)
TREE: 200 ; 385

.block

15698

.endblock

.block

copy: 1 id: 48849-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15699
AUTH: LICHTENSTEIN R.M.
CLSS: U
CONN: DA 36 039 AMC 02165 (E)
CORP: ARMY ELECTRONICS RESEARCH AND DEVELOPMENT LABS. (FT. MONMOUTH, NJ)
DATE: 6300
DESC: SIMULATION (LINAC) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts materials basic
mechanisms L1 SI
DESC: Nuclear Weapon Effects electrical mechanical cables wires L5 CABLE
EFFT: X-RAY
SUJO: 3-220-200 ; 3-231-000
TITL: INVESTIGATION OF TRANSIENT RADIATION DAMAGE IN SEMICONDUCTOR
MATERIALS" SECOND QUARTERLY PROGRESS REPORT 1 MAY 1963 TO 31 JULY
1963 (U), 5 P., (U)
TREE: 200

.block

15699

.endblock

.block

copy: 1 id: 48850-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15700
AUTH: HART J.A. JR. ; HARRISON G.R.
CLSS: U

CONN: DA 36 039 SC 89113
CORP: SPERRY MICROWAVE ELECTRONICS CO. (CLEARWATER, FL.)
DATE: 6300
DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electrical mechanical power generation L1
DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 CABLE
EFFT: TREE
REPN: REPT. 6 ; SJ 222 0041 6
SUJO: 3-231-000 ; 3-232-000
TITL: STUDY OF PULSED RADIATION EFFECTS ON MICROWAVE FERRITE DUPLEXERS
(U), CA. 50 P., (U)

TREE: 395

.block

15700

.endblock

.block

copy: 1 id: 48851-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15701

AUTH: CALME E.E. ; PATTERSON W.J.

CLSS: U

CONN: DA 36 039 SC 90735

CORP: GENERAL ELECTRIC CO., RECEIVING TUBE DEPT. (OWENSBORO, KY.)

DATE: 6300

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors

vacuum tubes dielectrics relays switches L1 TRIODES

DESC: SIMULATION (PULSED REACTOR, LINAC) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects materials metals alloys L1 W MO NI TI

EFFT: TREE

REPN: REPT. 5

SUJO: 3-229-000 ; 3-243-000

TITL: BASIC RADIATION EFFECTS MECHANISMS STUDY ON ELECTRON TUBES; FIFTH
QUARTERLY PROGRESS REPORT 1 JUNE 1963 THROUGH 31 AUGUST 1963 (U), 90
P., (U)

TREE: 305

.block

15701

.endblock

.block

copy: 1 id: 48852-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15702

ADNO: 430132

AUTH: PERKINS C.W. ; THOMAS G.D.

CLSS: U

CONN: DA 36 039 SC 90703

CORP: HUGHES AIRCRAFT CO., GROUND SYSTEMS GROUP (FULLERTON, CA.)

DATE: 6300

DESC: SIMULATION (PULSED REACTOR, LINAC) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTORS
EFFT: TREE
REPN: FR64 17 23
SUJO: 3-221-000
TITL: DETERMINATION OF TRANSISTOR FIGURE-OF-MERIT FOR RADIATION EFFECTS;
FINAL REPORT (U), 170 P., (U)
TREE: 310

.block

15702

.endblock

.block

copy: 1 id: 48853-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15703
CLSS: U
CONN: DA 36 039 AMC 00161 (E)
CORP: IBM CORP. (OWEGO, NY)
DATE: 6300
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 MICA CAPACITORS CERAMIC
CAPACITORS
DESC: SIMULATION (PULSED REACTOR) TEMPERATURE EFFECTS ; EXPERIMENTAL
EFFT: TREE
REPN: IBM 63 521 25
SUJO: 3-229-000
TITL: STUDY OF EFFECT OF HIGH-INTENSITY PULSED NUCLEAR RADIATION ON
ELECTRONIC PARTS AND MATERIALS (SCORRE); THIRD QUARTERLY PROGRESS
REPORT 1 AUGUST 1963 TO 31 OCTOBER 1963 (U), 30 P., (U)
TREE: 370

.block

15703

.endblock

.block

copy: 1 id: 48854-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15704
ADNO: 412732
AUTH: SHAIKH M.S. ; FERBER R.R. ; KELLER E.L. ; MALMBERG P.R.
CLSS: U
CONN: OCD OS 62 70
CORP: WESTINGHOUSE ELECTRIC CORP., SEMICONDUCTOR DIV., AND RESEARCH
LABORATORIES (PITTSBURGH, PA.)
DATE: 6304
DESC: test instruments nuclear radiation gamma L1 SILICON DIODE DETECTOR
DESC: SIMULATION (CO 60 CO 57 CS 137) ; EXPERIMENTAL
SUJO: 4-341-000

TITLE: IMPROVED SOLID STATE RADIATION DETECTOR (U), 140 P., (U)

TREE: 651

.block

15704

.endblock

.block

copy: 1 id: 48855-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15705

AUTH: MAGNUSON R.A.

CLSS: U

CONN: DA O6 039 AMC 02293 (E)

CORP: GENERAL ELECTRIC CO., TUBE DEPT. (PALO ALTO, CA.)

DATE: 6300

DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects Communications Systems C4 hardware radio
microwave systems L1 TRAVELING WAVE TUBES

EFFT: TREE

REPN: 63 ELM 248 1

SUJO: 3-132-000

TITLE: RADIATION EFFECTS ON MICROWAVE DEVICES; FIRST QUARTERLY REPORT 15
MAY 1963 THROUGH 15 SEPTEMBER 1963 (U), 40 P., (U)

TREE: 305

.block

15705

.endblock

.block

copy: 1 id: 48856-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15711

AUTH: TERRY F.D.

CLSS: U

CORP: PHILLIPS PETROLEUM CO. (IDAHO FALLS, ID.)

DATE: 6400

DESC: SIMULATION (REACTOR) ; EXPERIMENTAL

DESC: test instruments test hardware pressure stress L1

DESC: Nuclear Weapon Effects electrical mechanical cables wires L1

EFFT: TREE

SUJO: 3-231-000 ; 4-311-000

TITLE: TRANSIENT NUCLEAR RADIATION EFFECTS ON TRANSDUCERS (U), 30 P., (U)

TREE: 363

.block

15711

.endblock

.block

copy: 1 id: 48859-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15727
AUTH: LYNCH F.T. ; SHAFER P.E.
CLSS: U
CORP: BURROUGHS CORP. (PAOLI, PA.)
DATE: 6400
DESC: THEORY
DESC: Nuclear Weapon Effects electronic subsystems computers memory L1
EFFT: TREE
SUJO: 3-212-000
TITL: DESIGN CONSIDERATIONS FOR SEMICONDUCTOR/MAGNETIC DIGITAL SYSTEMS
WITH EXTREME RADIATION TOLERANCE (U), 6 P., (U)
TREE: 341 ; 420

.block

15727

.endblock

.block

copy: 1 id: 48871-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15730
AUTH: KAUFMAN A.B. ; NEWHOFF H.R.
CLSS: U
CORP: LITTON SYSTEMS, INC. (WOODLAND HILLS, CA.)
DATE: 6406
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTORS DIODES
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 CERAMIC + GLASS
POLYSTYRENE CAPACITORS
DESC: SIMULATION (REACTOR LINAC) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts integrated circuits L1
NAND/NORGATE
EFFT: TREE
SUJO: 3-221-000 ; 3-222-000 ; 3-229-000
TITL: RADIATION EFFECTS UPON DIGITAL INTEGRATED CIRCUITS AND SUPPORT
COMPONENTS (U), 20 P., (U)
TREE: 320 ; 310

.block

15730

.endblock

.block

copy: 1 id: 48874-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15731P.115
AUTH: KESSELMAN R.
CLSS: U
CORP: PICATINNY ARSENAL (DOVER, NJ)

DATE: 6301
DESC: Nuclear Weapon Effects electronic pieceparts magnetic devices L1
DESC: SIMULATION (CO 60, CS 137, REACTOR) BA TI O3 PZT ; EXPERIMENTAL
DESC: Nuclear Weapon Effects materials ceramics optical L1
EFFT: TREE
REPN: PA TR 3045
SUJO: 3-225-000 ; 3-241-000
TITL: PRELIMINARY REPORT ON NUCLEAR RADIATION EFFECTS ON PIEZOELECTRICS
(U), 12 P., (U)
TREE: 363

.block

15731P.115

.endblock

.block

copy: 1 id: 48877-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15732
AUTH: ZIEMBA F.P. ; KATZENSTEIN H.S. ; ZATZICK M.R. ; BERNESCU R. ;
STARNES K.B.
CLSS: U
CORP: SOLID STATE RADIATIONS, INC.(LOS ANGELES, CA.)
DATE: 6308
DESC: LID + PIN DETECTORS ; EXPERIMENTAL
DESC: test instruments nuclear radiation gamma L1
REPN: SSR R 1F2090 65
SUJO: 4-341-000
TITL: RESEARCH AND DEVELOPMENT ON FABRICATION OF PIN AND LID DETECTORS AND
THE DRY RUN INTERFACE SYSTEM (U), CA. 150 P., (U)
TREE: 430

.block

15732

.endblock

.block

copy: 1 id: 48879-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15733
ADNO: 449682
CLSS: U
CONN: AF 33 (657) 7475
CORP: AIR FORCE SYSTEMS COMMAND (WRIGHT-PATTERSON AFB, OH.)
DATE: 6407
DESC: Nuclear Weapon Effects electronic subsystems computers memory L1
DESC: Nuclear Weapon Effects electronic pieceparts magnetic devices L1
CORES TRANSFLUXORS
DESC: Nuclear Weapon Effects materials composites L1
DESC: SIMULATION (REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 GA AS TUNNEL DIODES

DESC: Nuclear Weapon Effects materials coatings laminates L1
EFFT: TREE
REPN: ASD TDR 63 161 VOL. 1
SUJO: 3-212-000 ; 3-221-000 ; 3-225-000 ; 3-245-000 ; 3-249-000
TITL: RADIATION-RESISTANT COMPUTER FEASIBILITY STUDY (U), CA. 100 P., (U)
TREE: 341 ; 310

.block

15733

.endblock

.block

copy: 1 id: 48880-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15740
AUTH: BELL J.E. ; LOVELAND R.D.
CLSS: U
CCDE: ZZ (PEAK GAMMA DOSE RATES)
CONN: NOW 63 0486 D
CORP: HUGHES AIRCRAFT CO. (FULLERTON, CA.)
DATE: 6300
DESC: Nuclear Weapon Effects electronic pieceparts integrated circuits L1
FLIP-FLOPS GATES OSCILLATORS BISTABLE NETWORKS
DESC: Nuclear Weapon Effects electrical mechanical power generation L1
AMMONIA FUZE BATTERY
DESC: Simulation Facilities Techniques TREE L1 LINAC
DESC: Description No Vulnerability Non-weapon Lasers L1 RADIATION EFFECT
ON RUBY LASER GA AS LASER DIODE
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 RESISTORS CAPACITORS
DESC: Nuclear Weapon Effects Communications Systems C4 hardware optical
devices sensors IR detectors L1 IR DETECTOR
DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse width L1
GAMMA DOSE RATE
DESC: Nuclear Weapon Effects electronic subsystems recorders amplifiers L1
AMPLIFIER
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 SCR-S 4 LAYER DIODES TRIGISTERS
TRANSISTOR
DESC: SIMULATION (LINAC PULSED REACTOR VAN DE GRAAFF) ; EXPERIMENTAL
EFFT: TREE
REPN: FR 63 17 173
SUJO: 1-740-000 ; 3-133-000 ; 3-213-000 ; 3-221-000 ; 3-222-000 ;
3-229-000 ; 3-232-000 ; 3-920-000 ; 4-272-000
TITL: RADIATION EFFECTS ON GUIDED MISSILE ELECTRONIC EQUIPMENT (U), CA.
150 P., (U)
TREE: 392

.block

15740

.endblock

.block

copy: 1 id: 48887-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15742
ADNO: 429358
AUTH: HILL J.L.
CLSS: U
CORP: NAVAL ORDNANCE LAB. (CORONA, CA.)
DATE: 6401
DESC: Nuclear Weapon Effects electronic pieceparts integrated circuits L1
MONOSTABLE MULTIVIBRATOR GATE TURNOFF SWITCHES AUTOMATIC GAIN
CONTROL CIRCUITS RELAXATION OSCILLATOR CIRCUIT
DESC: Nuclear Weapon Effects ordnance electroexplosive devices fuses L1
FIRING CIRCUIT ARMING CIRCUIT SQUIBB FIRING CIRCUIT
DESC: SIMULATION (LINAC) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 SCR-S
EFFT: TREE
REPN: NAVWEPS R 8177
SUJO: 3-162-000 ; 3-221-000 ; 3-222-000
TITL: TRANSIENT RADIATION EFFECTS ON ELECTRONICS; INTERIM REPORT (U), 15
P., (U)
TREE: 397

.block
15742
.endblock
.block

copy: 1 id: 48889-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15743
AUTH: HANNABACH J. ; MICKEY D.D.
CLSS: U
CORP: GENERAL ELECTRIC CO., ORDNANCE DEPT. (PITTSFIELD, MA.)
DATE: 6400
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 DIODES
DESC: Nuclear Weapon Effects electronic pieceparts integrated circuits L1
MULTIVIBRATORS LINEAR AMPLIFIERS
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 RESISTORS CAPACITORS
TRIODES
DESC: SIMULATION (REACTOR FLASH X-RAY LINAC) 580 DEGREES C ; EXPERIMENTAL
SURVEY
EFFT: TREE
SUJO: 3-221-000 ; 3-222-000 ; 3-229-000
TITL: NUCLEAR RADIATION TOLERANCE OF TIMM (U), CA. 30 P., (U)
TREE: 300

.block
15743
.endblock
.block

copy: 1 id: 48890-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15744
AUTH: POLL R.A. ; HORIYE H.
CLSS: U
CONN: AF 29 (601) 5685
CORP: GENERAL ATOMIC (SAN DIEGO, CA.)
DATE: 6407
DESC: Nuclear Weapon Effects electronic pieceparts integrated circuits L1
LOGIC GATES NAND GATES FLIP-FLOPS
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 CAPACITORS RESISTORS
DESC: SIMULATION (LINAC) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 DIODES TRANSISTORS
EFFT: TREE
REPN: GA 5452
SUJO: 3-221-000 ; 3-222-000 ; 3-229-000
TITL: TRANSIENT RADIATION EFFECTS ON SILICON MONOLITHIC CIRCUITS (U), 21
P., (U)
TREE: 320

.block

15744

.endblock

.block

copy: 1 id: 48891-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15745
AUTH: CROWE J.W.
CLSS: U
CORP: ATOMICS INTERNATIONAL
DATE: 6310
DESC: SIMULATION (FLASH X-RAY)
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTORS DIODES
DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 CABLES
DESC: Simulation Facilities Techniques TREE L5 FLASH X-RAY
EFFT: X-RAY
REPN: AI TDR 8982
SUJO: 3-221-000 ; 3-231-000 ; 4-272-000
TITL: TRANSIENT IONIZING RADIATION EFFECTS IN SEMICONDUCTOR DEVICES (U),
74 P., (U)
TREE: 310

.block

15745

.endblock

.block

copy: 1 id: 48892-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15746
AUTH: CROWE J.W.
CLSS: U
CORP: ATOMICS INTERNATIONAL
DATE: 6404
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTOR
DESC: SIMULATION (FLASH X-RAY) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic subsystems analysis circuit
network L1 PULSE EMITTER FOLLOWER
EFFT: TREE
REPN: AI 64 TDR 86
SUJO: 3-219-000 ; 3-221-000
TITL: TRANSIENT IONIZING RADIATION EFFECTS IN PREFERRED CIRCUIT EMITTER
FOLLOWER, PSC-21 (U), 37 P., (U)
TREE: 310

.block

15746

.endblock

.block

copy: 1 id: 48893-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15749
AUTH: KERRIS K.G. ; HYNEMAN R.F. ; BJORKHOLM J.E.
CLSS: U
CONN: NONR 3481 (00)
CORP: HUGHES AIRCRAFT CO. (FULLERTON, CA.)
DATE: 6301
DESC: Electromagnetic Theory Applications L1
DESC: Simulation Facilities Techniques TREE L1 LINAC
DESC: THEORY EXPERIMENTAL
REPN: FR 63 17 29
SUJO: 4-272-000 ; 9-300-000
TITL: STUDIES TO IMPROVE RADIATION SIMULATION TECHNIQUES (U), CA. 100 P.,
(U)
TREE: 642

.block

15749

.endblock

.block

copy: 1 id: 48896-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15750
AUTH: DEGELMAN L. ; FODERARO A. ; KOWAL G.

CLSS: U
CONN: DA 18 108 AMC 24 A
CORP: PENNSYLVANIA STATE UNIV. (UNIVERSITY PARK, PA.)
DATE: 6311
DESC: Nuclear RDT&E Research Program Descriptions fallout nuclear
radiation transport L1
DESC: SIMULATION (CO 60 CS 137) ; EXPERIMENTAL
EFFT: TREE
REPN: NUC E 15
SUJO: 4-140-000
TITL: EVALUATION OF THE SHIELDING CHARACTERISTICS OF STRUCTURES FOR
SIMULATED RESIDUAL RADIATION (U), 62 P., (U)

.block

15750

.endblock

.block

copy: 1 id: 48897-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15754
AUTH: ROSENBERG C. ; GAGE D.S. ; CALDWELL R.S. ; HANSON G.H.
CLSS: U
CORP: BOEING CO.
DATE: 6300
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTORS DIODES
DESC: SIMULATION (FLASH X-RAY) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic subsystems recorders amplifiers L1
PREAMPLIFIER
EFFT: TREE
REPN: D2 90389
SUJO: 3-213-000 ; 3-221-000
TITL: CHARGE-CONTROL EQUIVALENT CIRCUIT FOR PREDICTING TRANSIENT RADIATION
EFFECTS IN TRANSISTORS (U), 25 P., (U)
TREE: 310

.block

15754

.endblock

.block

copy: 1 id: 48901-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15755
AUTH: EBEOGLU D.B.
CLSS: U
CONN: MIPR R 62 16 SC 00 93
CORP: ATOMICS INTERNATIONAL (CANOGA PARK, CA.)
DATE: 6312
DESC: Nuclear Weapon Effects electronic pieceparts materials basic
mechanisms L1 POLYETHYLENE

DESC: Nuclear Weapon Effects electrical mechanical cables wires L5 CABLES
DESC: SIMULATION (PULSED REACTOR FLASH X-RAY) ; EXPERIMENTAL
EFFT: TREE
REPN: AI 8901
SUJO: 3-220-200 ; 3-231-000
TITL: TRANSIENT RADIATION EFFECTS IN ELECTRONIC MATERIALS (U), 70 P., (U)
TREE: 390 ; 385

.block

15755

.endblock

.block

copy: 1 id: 48902-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15756
AUTH: PERKINS C.W.
CLSS: U
CORP: HUGHES AIRCRAFT CO. (FULLERTON, CA)
DATE: 6304
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTORS
DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL
EFFT: TREE
SUJO: 3-221-000
TITL: RADIATION EFFECTS IN TRANSISTORS (U), 11 P., (U)

.block

15756

.endblock

.block

copy: 1 id: 48903-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15757
ADNO: 402181
AUTH: WIKNER E.G. ; HARRITY J.W. ; HORIYE H. ; VAN LINT V.A.J.
CLSS: U
CONN: DA 49 186 ORD 984
CORP: GENERAL ATOMIC
DATE: 6303
DESC: Nuclear Weapon Effects electronic pieceparts materials basic
mechanisms L1 GE SI
DESC: SIMULATION (REACTOR LINAC) ; EXPERIMENTAL
EFFT: TREE
REPN: GA 4073
SUJO: 3-220-200
TITL: DISPLACEMENT RADIATION EFFECTS (U), CA. 120 P., (U)
TREE: 200

.block

15757

.endblock

.block

copy: 1 id: 48904-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15766
AUTH: DRENNAN J.E. ; HAMMAN D.J. ; WYLER E.N.
CLSS: U
CORP: BATTELLE MEMORIAL INSTITUTE, RADIATION EFFECTS INFORMATION CENTER
(COLUMBUS, OH.)
DATE: 6406
DESC: Nuclear Energy Power Nuclear Materials isotope production L1
DESC: SURVEY
REPN: REIC MEMO 25
SUJO: 3-513-000
TITL: BENEFICIAL USES OF RADIATION EFFECTS (U), 25 P., (U)

.block

15766

.endblock

.block

copy: 1 id: 48911-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15888
CLSS: U
CONN: DA 36 039 AMC 02352(E)
CORP: HUGHES AIRCRAFT CO. (NEWPORT BEACH, CA.)
DATE: 6400
DESC: SIMULATION (LINAC) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTOR
DESC: Nuclear Weapon Effects materials ceramics optical L1 SILICON
EFFT: TREE
SUJO: 3-221-000 ; 3-241-000
TITL: TRANSISTOR DESIGN EFFECTS ON RADIATION RESISTANCE (U), 117 P., (U)
TREE: 430 ; 310

.block

15888

.endblock

.block

copy: 1 id: 49032-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15898
AUTH: PUTTCAMP R.R.
CLSS: U
CORP: HARRY DIAMOND LABS. (WASH., D.C.)
DATE: 6310
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes

silicon-controlled rectifiers L1

DESC: TABULAR
EFFT: TREE
REPN: M 230 63 5
TSHO: UG-CONTAINED
SUJO: 3-221-000
TITL: NUCLEAR RADIATION DAMAGE TO TRANSISTORS (U), CA. 250 P., (U)
TREE: 310

.block

15898

.endblock

.block

copy: 1 id: 49042-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15902
AUTH: SMITH V.K. ; TRAPP D.L.
CLSS: U
CORP: SANDIA CORP.
DATE: 6406
DESC: Nuclear Weapon Effects electronic subsystems analysis circuit
network L1 OSCILLATOR CIRCUITS
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 ZENER DIODE
DESC: Nuclear Weapon Effects Communications Systems C4 hardware L1
DESC: Nuclear Weapon Effects electronic subsystems recorders amplifiers L1
POWER AMPLIFIER
DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL
REPN: SC R 64 178
TSHO: UG-CONTAINED
SUJO: 3-130-000 ; 3-213-000 ; 3-219-000 ; 3-221-000
TITL: RADIATION HARDENED TELEMETRY SYSTEM (U), 10 P., (U)
TREE: 395

.block

15902

.endblock

.block

copy: 1 id: 49045-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15914
AUTH: CROWE J.W.
CLSS: U
CORP: ATOMICS INTERNATIONAL
DATE: 6408
DESC: SIMULATION (FLASH X-RAY) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic subsystems recorders amplifiers L1
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTORS
EFFT: X-RAY

REPN: AI 64 TDR 147
SUJO: 3-213-000 ; 3-221-000
TITL: TRANSIENT IONIZING RADIATION EFFECTS IN TRANSISTOR COMPLEMENTARY
SYMMETRY AMPLIFIERS (U), 17 P., (U)

TREE: 369

.block

15914

.endblock

.block

copy: 1 id: 49053-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15960

AUTH: MARSHALL R.W. ; MITCHELL E.P. ; BELL J.E.

CLSS: U

CORP: HUGHES AIRCRAFT CO. (FULLERTON, CA.)

DATE: 6304

DESC: SIMULATION (LINAC PULSED REACTOR) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 RESISTORS CAPACITORS

DESC: Nuclear Weapon Effects electronic pieceparts integrated circuits L1
FLIP-FLOP LOGIC GATE OSCILLATOR CIRCUIT

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 DIODES

EFFT: TREE

SUJO: 3-221-000 ; 3-222-000 ; 3-229-000

TITL: TRANSIENT RADIATION EFFECTS ON THIN FILM AND BULK SEMICONDUCTOR
INTEGRATED CIRCUITS (U), 25 P., (U)

TREE: 320 ; 310

.block

15960

.endblock

.block

copy: 1 id: 49081-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15962

AUTH: CROWE J.W. ; SAUR A.J.

CLSS: U

CORP: ATOMICS INTERNATIONAL (CANOGA PARK, CA.)

DATE: 6409

DESC: Nuclear Weapon Effects electrical mechanical cables wires L5

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTORS

DESC: Nuclear Weapon Effects electronic subsystems analysis circuit
network L1 CASCADE EMITTER FOLLOWS

DESC: SIMULATION (FLASH X-RAY) ; EXPERIMENTAL

EFFT: X-RAY

REPN: AI 64 MEMO 203

SUJO: 3-219-000 ; 3-221-000 ; 3-231-000

TITLE: TRANSIENT RADIATION EFFECTS IN SEMICONDUCTOR DEVICES (U), 60 P., (U)
TREE: 310

.block
15962
.endblock

.block
copy: 1 id: 49083-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15963
AUTH: CHAMBERS E.S. ; HOGIN J.L. ; MILES T.H. ; SCHOW D.A. ; SOLOMONIAN
A.H. ; TOBOLSKI J.

CLSS: U
CCDE: F654--DC WORST CASE CIRCUIT ANALYSIS
CORP: DOUGLAS AIRCRAFT CO., INC. (SANTA MONICA, CA.)
DATE: 6408
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 DIODES TRANSISTORS
DESC: Nuclear Weapon Effects electronic subsystems recorders amplifiers L1
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 RESISTORS CAPACITORS
SERVO VALVES

DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL
EFFT: TREE
REPN: SM 47686
SUJO: 3-213-000 ; 3-221-000 ; 3-229-000
TITL: TRANSIENT NUCLEAR RADIATION EFFECTS IN A HARDENED SERVO AMPLIFIER
AND ITS COMPONENTS (U), 127 P., (U)

TREE: 369
.block
15963

.endblock
.block
copy: 1 id: 49084-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15964
CLSS: U
CCDE: PREDICT
CONN: DA 36 039 AMC 00161 (E)
CORP: IBM CORP. (OWEGO, N.Y.)
DATE: 6400
DESC: SIMULATION (FLASH X-RAY) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTORS SCR-S GRIGISTORS
DESC: Nuclear Weapon Effects electronic subsystems analysis circuit
network L1 MULTIVIBRATOR FLIP-FLOP RING COUNTER
DESC: Nuclear Weapon Effects electronic subsystems recorders amplifiers L1
AMPLIFIER
EFFT: X-RAY

REPN: IBM 64 521 14
SUJO: 3-213-000 ; 3-219-000 ; 3-221-000
TITL: STUDY OF EFFECT OF HIGH-INTENSITY PULSED NUCLEAR RADIATION ON
ELECTRONIC PARTS AND MATERIALS (SCORRE) (U), 30 P., (U)

TREE: 310

.block

15964

.endblock

.block

copy: 1 id: 49085-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15965

AUTH: STAFFIN R.

CLSS: U

CONN: DA 36 039 AMC 02310 (E)

CORP: PROCEDYNE ASSOCIATES, INC. (NEW BRUNSWICK, N.J.)

DATE: 6400

DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic piecparts resistors capacitors
vacuum tubes dielectrics relays switches L1 PENTODE MGO RAD DETECTOR

EFFT: TREE

SUJO: 3-229-000

TITL: FREQUENCY RESPONSE ANALYSIS OF RADIATION EFFECTS DATA ON ELECTRON
TUBES (U), 65 P., (U)

TREE: 305

.block

15965

.endblock

.block

copy: 1 id: 49086-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15967

AUTH: HONNOLD V.R. ; BERGGREN C.C. ; EMMERT R.R. ; THOMAS G.D.

CLSS: U

CCDE: ZZ (SEMICONDUCTOR RESPONSE TO RADIATION)

CONN: NONR 4360 (00)

CORP: HUGHES AIRCRAFT CO. (FULLERTON, CA.)

DATE: 6412

DESC: SIMULATION (LINAC)

DESC: Nuclear Weapon Effects materials plastics resins L1 MYLAR TEFLON
POLYSTYRENE DIALLYLPHTHALATE NYLON

DESC: Nuclear Weapon Effects electronic piecparts materials basic
mechanisms L1 KCE NA CE SI GE

EFFT: BETA ; TREE

REPN: FR 64 10 347

SUJO: 3-220-200 ; 3-244-000

TITL: INVESTIGATION OF BASIC MECHANISMS OF TRANSIENT HIGH ENERGY RADIATION
EFFECTS IN INSULATORS AND SEMICONDUCTORS (U), 65 P., (U)

TREE: 385 ; 200

.block

15967

.endblock

.block

copy: 1 id: 49088-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15968

AUTH: HUNTER E.T.

CLSS: U

CORP: ARMY ELECTRONICS COMMAND (FT. MONMOUTH, N.J.)

DATE: 6406

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1

DESC: SIMULATION (LINAC) ; EXPERIMENTAL

EFFT: GAMMA ; TREE

REPN: ECOM TR 2462

SUJO: 3-221-000

TITL: RADIATION EFFECTS ON FIELD-EFFECT TRANSISTORS (U), 26 P., (U)

TREE: 310

.block

15968

.endblock

.block

copy: 1 id: 49089-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15971

ADNO: 454758

AUTH: LICHTENSTEIN R.M.

CLSS: U

CONN: DA 36 039 AMC 02165 (E)

CORP: RENSSELAER POLYTECHNICAL INSTITUTE (TROY, N.Y.)

DATE: 6400

DESC: SIMULATION (LINAC) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts materials basic
mechanisms L1 SI

EFFT: BETA

SUJO: 3-220-200

TITL: INVESTIGATION OF TRANSIENT RADIATION DAMAGE IN SEMICONDUCTOR
MATERIALS; SIXTH QUARTERLY REPORT (U), CA. 25 P., (U)

TREE: 200

.block

15971

.endblock

.block

copy: 1 id: 49092-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15972
ADNO: 455431
AUTH: GERSTEIN B. ; FUEYO A. ; TRAINOR F.
CLSS: U
CONN: DA 36 039 AMC 00002(E)
CORP: ADMIRAL CORP. (CHICAGO, IL.)
DATE: 6410
DESC: SIMULATION (PULSED REACTOR CO 60) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic subsystems analysis circuit
network L1 OSCILLATORS CR-19/U CRYSTAL UNITS SSB CRYSTAL UNITS
EFFT: TREE
SUJO: 3-219-000
TITL: EFFECTS OF NUCLEAR RADIATION ON FREQUENCY CONTROL DEVICES; INTERIM
FINAL REPORT (U), CA. 80 P., (U)
TREE: 367

.block

15972

.endblock

.block

copy: 1 id: 49093-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16300
AUTH: HELD E.E.
CLSS: U
CORP: UNIVERSITY OF WASHINGTON, LABORATORY OF RADIATION BIOLOGY (SEATTLE,
WASH.)
DATE: 6300
DESC: EXPERIMENTAL SUMMARY
DESC: Nuclear Weapon Effects on animals ionizing radiation chronic L9
DESC: Nuclear Weapon Environment Fallout isotope concentrations L1
REPN: PACE 29
SUJO: 2-223-100 ; 3-312-200
TITL: QUALITATIVE DISTRIBUTION OF RADIONUCLIDES AT RONGELAP ATOLL (U), 3
P., (U)

.block

16300

.endblock

.block

copy: 1 id: 49340-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16302
AUTH: LOWMAN F.G.
CLSS: U
CORP: UNIVERSITY OF WASHINGTON, LABORATORY OF RADIATION BIOLOGY (SEATTLE,
WASH.)
DATE: 6300

DESC: EXPERIMENTAL SUMMARY
DESC: Nuclear Weapon Effects on animals ionizing radiation chronic
internal L1
DESC: Nuclear Weapon Environment Fallout isotope concentrations L1
REPN: PACE 86
TSHO: SURFACE
SUJO: 2-223-100 ; 3-312-220
TITL: RADIONUCLIDES IN PLANKTON AND TUNA FROM THE CENTRAL PACIFIC (U), 5
P., (U)

.block

16302

.endblock

.block

copy: 1 id: 49342-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16303
AUTH: SEYMOUR A.H.
CLSS: U
CORP: UNIVERSITY OF WASHINGTON, LABORATORY OF RADIATION BIOLOGY (SEATTLE,
WASH.)
DATE: 6300
DESC: FIELD SURVEY ; EXPERIMENTAL SUMMARY
DESC: Nuclear Weapon Effects on plants ionizing radiation chronic uptake
L5
DESC: Nuclear Weapon Effects on animals ionizing radiation chronic
internal L1
REPN: PACE 30 ; UFWL 60
SHOT: HARDTACK
TSHO: SURFACE
SUJO: 3-312-220 ; 3-332-220
TITL: RADIOACTIVITY OF MARINE ORGANISMS FROM GUAM, PALAU AND THE GULF OF
SIAM, 1958-1959 (U), 7 P., (U)

.block

16303

.endblock

.block

copy: 1 id: 49343-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16336
AUTH: CHAKRAVARTI D. ; LEWIS G.B. ; PALUMBO R.F. ; SEYMOUR A.H.
CLSS: U
CORP: UNIVERSITY OF WASHINGTON, LABORATORY OF RADIATION BIOLOGY (
(SEATTLE, WASH.)
DATE: 6400
DESC: Nuclear Weapon Environment Fallout isotope concentrations L1
DESC: EXPERIMENTAL SUMMARY
REPN: PACE 40
SUJO: 2-223-100

TITL: ANALYSES OF RADIONUCLIDES OF BIOLOGICAL INTERESTS IN PACIFIC WATERS
(U), 7 P., (U)

.block

16336

.endblock

.block

copy: 1 id: 49379-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16615

AUTH: BROOKS E.H. ; COCCA U. ; ROBB R.E. ; SEIGWORTH D.W.

CLSS: U

CORP: GENERAL ELECTRIC CO., ELECTRONICS LAB. (SYRACUSE, N.Y.)

DATE: 6306

DESC: Simulation Facilities Techniques nuclear radiation reactors isotopic
sources L1 NEUTRON SPECTRA

DESC: Nuclear Weapon Effects electronic subsystems recorders amplifiers L1
AMPLIFIER

DESC: SIMULATION (PULSED REACTOR, LINAC, CO 60) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 RESISTORS MICA + MYLAR
CAPACITORS CERAMIC TUBE

DESC: Nuclear Weapon Effects electronic subsystems analysis circuit
network L1 PHASE SHIFT OSCILLATOR FLIP-FLOP

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 DIODES TRANSISTORS

EFFT: TREE

REPN: CP 63 1107

SUJO: 3-213-000 ; 3-219-000 ; 3-221-000 ; 3-229-000 ; 4-241-000

TITL: CIRCUIT PERFORMANCE IN A PULSED AND STEADY STATE RADIATION
ENVIRONMENT (U), 20 P., (U)

TREE: 369 ; 310

.block

16615

.endblock

.block

copy: 1 id: 49517-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16674

AUTH: MAGNUSON R.A.

CLSS: U

CONN: DA 36 039 AMC 02293(E)

CORP: GENERAL ELECTRIC CO., TUBE DEPT. (PALO ALTO, CA.)

DATE: 6400

DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects Communications Systems C4 hardware radio
microwave systems L1 TRAVELING WAVE TUBE ZM 3028

EFFT: TREE

SUJO: 3-132-220

TITL: RADIATION EFFECTS ON MICROWAVE DEVICES (U), CA. 60 P., (U)
TREE: 305

.block

16674

.endblock

.block

copy: 1 id: 49575-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16676

AUTH: PLANKIS E.P.

CLSS: U

CONN: DA 36 039 SC 87253

CORP: GENERAL ELECTRIC CO., POWER TUBE DEPT. (SCHENECTADY, N.Y.)

DATE: 6300

DESC: SIMULATION (CO 60 PULSED REACTOR) ; EXPERIMENTAL SURVEY

DESC: Nuclear Weapon Effects materials metals alloys L1

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors

vacuum tubes dielectrics relays switches L1 VACUUM TUBES

DESC: Nuclear Weapon Effects Communications Systems C4 hardware radio

microwave systems L1 VOLTAGE TIMABLE MAGNETRONS Z-5312 Z-5337 Z5428

TRAVELING WAVE TUBES 4J52A MAGNETRON BL800A KLYSTRON

DESC: Nuclear Weapon Effects electronic pieceparts magnetic devices L1

MAGNETIC MATERIALS

DESC: Nuclear Weapon Effects electronic pieceparts materials basic

mechanisms L1 SILICONE RUBBER TEFLON

EFFT: TREE

SUJO: 3-132-220 ; 3-220-200 ; 3-225-000 ; 3-229-000 ; 3-243-000

TITL: RADIATION EFFECTS ON MICROWAVE DEVICES (U), 184 P., (U)

TREE: 305

.block

16676

.endblock

.block

copy: 1 id: 49577-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16683

AUTH: CALME E.E.

CLSS: U

CONN: DA 36 039 AC 90735

CORP: GENERAL ELECTRIC CO., RECEIVING TUBE DEPT. (OWENSBORO, KY.)

DATE: 6300

DESC: SIMULATION (PULSED REACTOR) GAS EVOLUTION DUE TO RADIATION ; THEORY
EXPERIMENTAL

DESC: Nuclear Weapon Effects materials ceramics optical L1 GLASS

DESC: Nuclear Weapon Effects electronic pieceparts materials basic
mechanisms L1 MICA

DESC: Nuclear Weapon Effects materials metals alloys L1 MI

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors

vacuum tubes dielectrics relays switches L1 ELECTRON TUBE

EFFT: TREE

SUJO: 3-220-200 ; 3-229-000 ; 3-241-000 ; 3-243-000

TITL: BASIC RADIATION EFFECTS MECHANISMS STUDY ON ELECTRON TUBES; SIXTH
QUARTERLY REPORT (U), 35 P., (U)

TREE: 305

.block

16683

.endblock

.block

copy: 1 id: 49584-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16684

AUTH: CALME E.E. ; GRADY B.I. ; MAIER R.J. ; PATTERSON W.J.

CLSS: U

CONN: DA 36 039 SC 90735

CORP: GENERAL ELECTRIC CO., TUBE DEPT. (OWENSBORO, KY.)

DATE: 6400

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors

vacuum tubes dielectrics relays switches L1 ELECTRON TUBE

DESC: Nuclear Weapon Effects materials ceramics optical L1 GLASS

DESC: GAS RELEASE DUE TO RADIATION ; THEORY

DESC: Nuclear Weapon Effects electronic pieceparts materials basic

mechanisms L1 MICA

EFFT: TREE

SUJO: 3-220-200 ; 3-229-000 ; 3-241-000

TITL: BASIC RADIATION EFFECTS MECHANISMS STUDY ON ELECTRON TUBES; SEVENTH
QUARTERLY REPORT (U), 70 P., (U)

TREE: 305

.block

16684

.endblock

.block

copy: 1 id: 49585-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16685

AUTH: LICHTENSTEIN R.M.

CLSS: U

CONN: DA O6 039 AMC 02165 (E)

CORP: RENSSELAER POLYTECHNIC INSTITUTE (TROY, N.Y.)

DATE: 6400

DESC: test instruments electronic vulnerability TREE L1 ELECTRIC

ONDUCTIVITY OF SI DURING RADIATION

DESC: EXPERIMENTAL

SUJO: 4-372-000

TITL: INVESTIGATION OF TRANSIENT RADIATION DAMAGE IN SEMICONDUCTOR
MATERIALS; FOURTH QUARTERLY PROGRESS REPORT (U), 10 P., (U)

TREE: 200

.block

16685

.endblock

.block

copy: 1 id: 49586-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16686

CLSS: U

CONN: DA 36 039 AMC 02352 (E)

CORP: HUGHES AIRCRAFT CO. (NEWPORT BEACH, CA.) ; HUGHES AIRCRAFT CO.,
NUCLEONICS DIV. (FULLERTON, CA.)

DATE: 6300

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTORS DEVICE IMPROVEMENT

DESC: SIMULATION (LINAC) ; EXPERIMENTAL

EFFT: X-RAY

SUJO: 3-221-000

TITL: TRANSISTOR DESIGN EFFECTS ON RADIATION RESISTANCE; SECOND QUARTERLY
REPORT (U), 50 P., (U)

TREE: 310 ; 430

.block

16686

.endblock

.block

copy: 1 id: 49587-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16687

CLSS: U

CONN: DA 36 039 AMC 02352 (E)

CORP: HUGHES AIRCRAFT CO. (NEWPORT BEACH, CA.) ; HUGHES AIRCRAFT CO.,
NUCLEONICS DIV. (FULLERTON, CA.)

DATE: 6400

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTORS DEVICE IMPROVEMENT

DESC: SIMULATION (LINAC) ; EXPERIMENTAL

EFFT: X-RAY

SUJO: 3-221-000

TITL: TRANSISTOR DESIGN EFFECTS ON RADIATION RESISTANCE; THIRD QUARTERLY
REPORT (U), 30 P., (U)

TREE: 310 ; 430

.block

16687

.endblock

.block

copy: 1 id: 49588-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16688
AUTH: KALLMANN H.P.
CLSS: U
CONN: DA 28 043 AMC 00129(E)
CORP: NEW YORK UNIVERSITY, RADIATION AND SOLID STATE LAB. (NEW YORK, N.Y.)
DATE: 6411
DESC: Nuclear Weapon Effects materials plastics resins L1 POLYSTYRENE
DESC: EXPERIMENTAL
EFFT: X-RAY
SUJO: 3-244-000
TITL: ENERGY TRANSFER DURING TRANSIENT NUCLEAR PULSES (U), 25 P., (U)
TREE: 385

.block

16688

.endblock

.block

copy: 1 id: 49589-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16689
AUTH: LICHTENSTEIN R.M.
CLSS: U
CONN: DA O6 039 AMC 02165(E)
CORP: RENSSELAER POLYTECHNIC INSTITUTE (TROY, N.Y.)
DATE: 6300
DESC: SIMULATION (LINAC STROBOSCOPE) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts materials basic
mechanisms L1 SI
EFFT: TREE
SUJO: 3-220-200
TITL: INVESTIGATION OF TRANSIENT RADIATION DAMAGE IN SEMICONDUCTOR
MATERIALS; THIRD QUARTERLY PROGRESS REPORT 1 AUGUST TO 31 OCTOBER
1963 (U), 20 P., (U)
TREE: 200

.block

16689

.endblock

.block

copy: 1 id: 49590-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16784
AUTH: DEGENHART H.J. ; SCHLOSSER W. ; BRUEMMER H.
CLSS: U
CORP: ARMY ELECTRONICS RESEARCH AND DEVELOPMENT LAB. (FT. MONMOUTH, NJ)
DATE: 6301
DESC: THEORY EXPERIMENTAL
DESC: Nuclear Weapon Effects electrical mechanical cables wires L1
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1

EFFT: TREE
REPN: AELRDL TR 2299
SUJO: 3-229-000 ; 3-231-000
TITL: PULSED NUCLEAR RADIATION INDUCED TRANSIENTS IN ELECTRONIC PARTS AND
MATERIALS (GODIVA IV + V) (U), 56 P., (U)

TREE: 370 ; 380 ; 390 ; 343

.block

16784

.endblock

.block

copy: 1 id: 49664-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16794

AUTH: COMPTON D.M.J. ; CHENEY G.T. ; DENSON R. ; POLL R.A. ; VAN LINT
V.A.J.

CLSS: U

CONN: DA 49 186 AMC 65 (X)

CORP: GENERAL ATOMIC (SAN DIEGO, CA.)

DATE: 6403

DESC: SIMULATION (LINAC) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects materials metals alloys L1 PT AL

DESC: Nuclear Weapon Effects materials plastics resins L1 PLASTIC FIBERS
(MYLAR POLYETHYLENE TEFLON)

DESC: test instruments electronic vulnerability TREE L1 MICROWAVE
MEASURING TECHNIQUES FOR RIC

DESC: Nuclear Weapon Effects electronic pieceparts materials basic
mechanisms L1 TI O2 CRYSTALS MGO CRYSTALS (100 DEGREES-800 DEGREES
K)

EFFT: BETA

REPN: GA 5029

SUJO: 3-220-200 ; 3-243-000 ; 3-244-000 ; 4-372-000

TITL: TRANSIENT RADIATION EFFECTS; ANNUAL TECHNICAL SUMMARY FEBRUARY 27,
1963 THROUGH FEBRUARY 25, 1964 (U), 117 P., (U)

TREE: 200

.block

16794

.endblock

.block

copy: 1 id: 49674-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 17000

AUTH: SCHEIWE J.P. ; HARRISON G.R.

CLSS: U

CONN: DA 36 039 SC 89113

CORP: SPERRY MICROWAVE ELECTRONICS CO. (CLEARWATER, FL.)

DATE: 6305

DESC: Nuclear Weapon Effects Communications Systems C4 hardware radio
microwave systems L1

DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 CABLES
DESC: SIMULATION (REACTOR) ; EXPERIMENTAL
EFFT: TREE
REPN: SJ 222 0041 4
SUJO: 3-132-220 ; 3-231-000
TITL: STUDY OF PULSED RADIATION EFFECTS ON MICROWAVE FERRITE DUPLEXERS;
REPORT NO. 4, FOURTH QUARTERLY REPORT, 1 FEBRUARY 1963 TO 30 APRIL
1963 (U), 40 P., (U)
TREE: 390 ; 395

.block
17000
.endblock
.block

copy: 1 id: 49829-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 17005
AUTH: HART J.A. JR. ; GREENWOOD R.E. ; HARRISON G.R.
CLSS: U
CONN: DA 36 039 SC 89113
CORP: SPERRY MICROWAVE ELECTRONICS CO. (CLEARWATER, FL.)
DATE: 6300
DESC: Nuclear Weapon Effects Communications Systems C4 hardware radio
microwave systems L1
DESC: SIMULATION (REACTOR)
DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 CABLES
REPN: SJ 222 0041 5
SUJO: 3-132-000 ; 3-231-000
TITL: STUDY OF PULSED RADIATION EFFECTS ON MICROWAVE FERRITE DUPLEXERS;
REPORT NO. 5, FIFTH QUARTERLY REPORT, 1 MAY 1963 TO 31 JULY 1963
(U), CA. 100 P., (U)
TREE: 390 ; 395

.block
17005
.endblock
.block

copy: 1 id: 49834-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 17006
CLSS: U
CONN: DA 3G93 01 001 01
CORP: IBM CORP., FEDERAL SYSTEMS DIV. (OWEGO, N.Y.)
DATE: 6300
DESC: SIMULATION (REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 CAPACITORS
DESC: Nuclear Weapon Effects electronic pieceparts magnetic devices L1
EFFT: TREE
REPN: IBM 63 928 12

SUJO: 3-225-000 ; 3-229-000
TITL: STUDY OF EFFECT OF HIGH-INTENSITY PULSED NUCLEAR RADIATION ON
ELECTRONIC PARTS AND MATERIALS (SCORRE); REPORT NO. 10, FINAL
PROGRESS REPORT, 1 OCTOBER 1962 -31 JANUARY 1963 (U), 59 P., (U)

TREE: 370 ; 343

.block

17006

.endblock

.block

copy: 1 id: 49835-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 17020

AUTH: SCHEIWE J.P. ; HARRISON G.R.

CLSS: U

CONN: DA 36 039 SC 89113

CORP: SPERRY MICROWAVE ELECTRONICS CO. (CLEARWATER, FL.)

DATE: 6302

DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects Communications Systems C4 hardware radio
microwave systems L1 FERRITE DUPLEXERS WAVEGUIDE ELEMENTS

EFFT: TREE

REPN: SJ 222 0041 3

SUJO: 3-132-220

TITL: STUDY OF PULSED RADIATION EFFECTS ON MICROWAVE FERRITE DEPLEXERS,
THIRD QUARTERLY REPORT (U), CA. 100 P., (U)

TREE: 395

.block

17020

.endblock

.block

copy: 1 id: 49847-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 17024

AUTH: PERKINS C.W.

CLSS: U

CONN: DA 36 039 SC 90703

CORP: HUGHES AIRCRAFT CO. (FULLERTON, CA.)

DATE: 6301

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTORS

DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL

EFFT: TREE

REPN: FR 62 17 146

SUJO: 3-221-000

TITL: DETERMINATION OF TRANSISTOR FIGURE-OF-MERIT FOR RADIATION EFFECTS;
FIRST QUARTERLY PROGRESS REPORT 1 JUNE 1962 TO 31 AUGUST 1962 (U),
30 P., (U)

TREE: 310

.block

17024

.endblock

.block

copy: 1 id: 49851-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 17026

AUTH: LINNENBOM V.J.

CLSS: U

CORP: NAVAL RESEARCH LAB.

DATE: 6400

DESC: SURVEY

DESC: Nuclear Weapon Effects electronic pieceparts materials basic
mechanisms L1

EFFT: TREE

SUJO: 3-220-200

TITL: RADIATION EFFECTS ON INSULATION--STATE OF THE ART (U), 6 P., (U)

TREE: 385

.block

17026

.endblock

.block

copy: 1 id: 49853-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 17027

AUTH: LASCARO C.P. ; SCHLOSSER W.

CLSS: U

CORP: ARMY ELECTRONICS RESEARCH AND DEVELOPMENT LAB. (FT. MONMOUTH, N.J.)

DATE: 6400

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 CAPACITORS RESISTORS

DESC: Nuclear Weapon Effects electrical mechanical cables wires L1

DESC: Nuclear Weapon Effects electronic pieceparts magnetic devices L1

DESC: SURVEY

EFFT: TREE

REPN: AELRDL TR 2416

SUJO: 3-225-000 ; 3-229-000 ; 3-231-000

TITL: PULSE RADIATION RELIABILITY OF PASSIVE ELECTRONIC PARTS (U), 20 P.,
(U)

TREE: 343 ; 370 ; 380

.block

17027

.endblock

.block

copy: 1 id: 49854-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 17274
AUTH: HAMMAN D.J. ; VEAZIE W.H. JR.
CLSS: U
CONN: AF 33 (615) 1124
CORP: BATTELLE MEMORIAL INSTITUTE, RADIATION EFFECTS INFORMATION CENTER
(COLUMBUS, OH.)
DATE: 6409
DESC: Simulation Facilities Techniques TREE L1
DESC: SURVEY
REPN: REIC REPT. 31 (PT. 2) FIRST REV.
SUJO: 4-272-000
TITL: SURVEY OF PARTICLE ACCELERATORS (U), 202 P., (U)
TREE: 642

.block

17274

.endblock

.block

copy: 1 id: 50058-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 17276
ADNO: 447977
AUTH: JONES D.C. ; FAIRAND B.P. ; GRUBER H.T. ; MACE A.E.
CLSS: U
CORP: BATTELLE MEMORIAL INSTITUTE, RADIATION EFFECTS INFORMATION CENTER
(COLUMBUS, OH.)
DATE: 6408
DESC: Nuclear RDT&E Research Program Descriptions electronic vulnerability
L1 REPORTING EXPERIMENTAL RESULTS
DESC: Nuclear Weapon Effects electronic pieceparts L5
DESC: SUMMARY
EFFT: TREE
REPN: REIC REPT. 35
SUJO: 3-220-000 ; 4-170-000
TITL: RADIATION-EFFECTS EXPERIMENTAL PROCEDURES (U), 65 P., (U)
TREE: 620

.block

17276

.endblock

.block

copy: 1 id: 50060-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 17277
AUTH: FAIRAND B.P. ; WYLER E.N.
CLSS: U
CONN: AF 33 (657) 10085
CORP: BATTELLE MEMORIAL INSTITUTE, RADIATION EFFECTS INFORMATION CENTER
(COLUMBUS, OH.)
DATE: 6309

DESC: SURVEY
DESC: test instruments nuclear radiation gamma L1
DESC: test instruments nuclear radiation neutron L1
REPN: REIC REPT. 33
SUJO: 4-341-000 ; 4-342-000
TITL: SURVEY OF CURRENT RESEARCH AND DEVELOPMENTS IN THE FIELD OF
DOSIMETRY (U), 40 P., (U)
TREE: 655

.block
17277
.endblock
.block

copy: 1 id: 50061-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 17389
ADNO: 414174
AUTH: MARTIN S.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6307
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects materials wood paper cellulose films L1
EFFT: THERMAL
REPN: NRDL TR 660
SUJO: 3-246-000
TITL: IGNITION OF CELLULOSIC KINDLING FUELS BY VERY BRIEF RADIANT PULSES
(U), 25 P., (U)

.block
17389
.endblock
.block

copy: 1 id: 50142-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 17528
CLSS: U
CORP: NATIONAL BUREAU OF STANDARDS
DATE: 6311
DESC: SUMMARY
DESC: Environmental Impact Assessments EIS Supporting Data L1
REPN: NBS 10C ; NBS HNBK 86
SUJO: 4-870-200
TITL: RADIOACTIVITY, RECOMMENDATIONS OF THE INTERNATIONAL COMMISSION ON
RADIOLOGICAL UNITS AND MEASUREMENTS (1962) (ICRU) (U), 53 P., (U)

.block
17528
.endblock
.block

copy: 1 id: 50331-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 17529
CLSS: U
CORP: NATIONAL BUREAU OF STANDARDS
DATE: 6403
DESC: Environmental Impact Assessments EIS Supporting Data L1
DESC: SUMMARY
REPN: NBS 10B 1962 ; NBS HNBK 85
SUJO: 4-870-200
TITL: PHYSICAL ASPECTS OF IRRADIATION, RECOMMENDATIONS OF THE
INTERNATIONAL COMMISSION ON RADIOLOGICAL UNITS AND MEASUREMENTS
(ICRU) (U), 106 P., (U)

.block
17529
.endblock
.block

copy: 1 id: 50332-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 17671
CLSS: C
CORP: AIR FORCE CAMBRIDGE RESEARCH LAB
DATE: 6301
DESC: STARAD SATELLITE ; EXPERIMENTAL
DESC: Nuclear Weapon Phenomenology High-Altitude injection trapping L1
SHOT: RUSSIAN (62-10-28) ; RUSSIAN (62-11-01)
TSHO: HI-ALT
SUJO: 2-217-000
TEMP: A5427
TITL: PRELIMINARY RESULTS OBTAINED ON ARTIFICIAL TRAPPED RADIATION ABOARD
THE STARADSATELLITE (U), 22 P., (S)

.block
17671
.endblock
.block

copy: 1 id: 50494-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 17675
AUTH: STOKES J.R. ; MOONEY L.G.
CLSS: SRD
CONN: DA 23 072 ORD 1748
CORP: GENERAL DYNAMICS, NUCLEAR AEROSPACE RESEARCH FACILITY (FT. WORTH,
TX.)
DATE: 6403
DESC: Cross Sections neutron L1
DESC: Nuclear Weapon Effects on animals ionizing radiation prompt L1

DESC: Cross Sections gamma L1
DESC: THEORY EXPERIMENTAL TABULAR
DESC: Nuclear Weapon Effects land transport armored vehicles L1
REPN: FZK 179
SHOT: SMALL BOY
TSHO: SUREACE
SOCE: XXXXXXXXXX
SUJO: 3-151-000 ; 3-312-100 ; 9-820-000 ; 9-830-000
TEMP: A5436
TTTL: POSTANALYSIS OF ORDNANCE CORPS RADIOLOGICAL ARMOR TEST IN SHOT SMALL
BOY (U), 124 P., (SRD)
TREE: 411 ; 412
.block
17675
.endblock
.block
copy: 1 id: 50498-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 17766
AUTH: WESLEY E.J. ; COLE R. ; OLSON M.A. ; JOSEPH W.F.
CLSS: C
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6303
DESC: Nuclear Weapon Environment Fallout isotope concentrations L1
DESC: Nuclear Weapon Environment radiation decay gamma decay L1
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra L1
DESC: nuclear test detection debris fallout L1
DESC: VELA UNIFORM ; EXPERIMENTAL
DESC: Nuclear Weapon Environment fallout intensity contours patterns L1
REPN: NRDL TR 626
SHOT: WIGWAM
TSHO: UW
SUJO: 2-223-100 ; 2-223-200 ; 2-223-420 ; 2-225-100 ; 4-919-000
TEMP: A5393
TTTL: AERIAL SURVEY OF THE SURFACE RADIOACTIVITY REMAINING AFTER AN
UNDERWATER NUCLEAR DETONATION (U), 94 P., (S)

.block
17766
.endblock
.block
copy: 1 id: 50554-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 17844
AUTH: HENRY R.L. ; JOHNSON C. ; STOKES J.
CLSS: C
CONN: DA 23 072 (AMC) 209 (T)
CORP: NUCLEAR AEROSPACE RES. FACILITY (FT. WORTH, TX.)
DATE: 6407

DESC: Nuclear Weapon Environment Prompt Neutrons L1
DESC: Nuclear Weapon Environment Initial Gamma L1
DESC: TABULAR
TSHO: LOW-ALT
SUJO: 1-100-000 ; 1-700-000
TEMP: A5289
TITL: JOINT UNITED STATES/FEDERAL REPUBLIC OF GERMANY RADIOLOGICAL ARMOR
PARAMETRIC DESIGN STUDY, FINAL REPORT VOLUME II--RADIATION
ENVIRONMENTS (U), 176 P., (C)

TREE: 910 ; 920

.block

17844

.endblock

.block

copy: 1 id: 50612-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 17892

AUTH: EBEOGLU D.B.

CLSS: U

CONN: MIPR R 62 16 SC 00 93

CORP: ATOMICS INTERNATIONAL (CANOGA PARK, CA.)

DATE: 6300

DESC: EXPERIMENTAL

DESC: test instruments electronic vulnerability TREE L1

EFFT: TREE

REPN: AI 8178

SUJO: 4-372-000

TITL: TRANSIENT RADIATION EFFECTS IN ELECTRONIC MATERIALS; REPORT NO. 4,
FOURTH QUARTERLY REPORT (U), 31 P., (U)

TREE: 310

.block

17892

.endblock

.block

copy: 1 id: 50656-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18238

AUTH: LAUMETS E. ; RAINEY S.C.

CLSS: U

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)

DATE: 6409

DESC: EXPERIMENTAL

DESC: Soil Rock Properties Equation of State Conductivity L1

EFFT: NEUTRON

REPN: NRDL TR 780

SUJO: 6-300-000

TITL: PREDICTION OF A1, NA AND MN CONTENTS IN EARTH MATERIALS FOR USE IN
AN INDUCED-ACTIVITY PREDICTION SYSTEM (U), 182 P., (U)

INUM: 18431
ABS: The results of a successful prototype integrity sensing system development program are given. It includes, in addition to a concept discussion, a description of the prototype and its individual components. The results of the system evaluation are given.
AUTH: OCONNELL L.G.
CLSS: SFRD
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6409
DESC: Nuclear weapon security control L1
DESC: TEST DATA L1 ; TABULAR
DESC: Nuclear weapon test device physical operation construction geometry materials components L1
REPN: UCRL 12108
SUJO: 4-832-700 ; 4-836-000
TEMP: A6199
TITL: PROTOTYPE INTEGRITY SENSING SYSTEM (U), 44 P., (SFRD)
TNFF: 7496

.block

18431

.endblock

.block

copy: 1 id: 51215-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18432
AUTH: NERVIK W.E. ; STEVENSON P.C.
CLSS: SRD
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6409
DESC: Nuclear weapon test device physical operation construction geometry materials components L1
DESC: Nuclear weapon test yield L1
DESC: EXPERIMENTAL
REPN: UCRL 12126
SHOT: EAGLE
TSHO: UG-CONTAINED
SOCE: XXXXXXXXXX
SUJO: 4-835-000 ; 4-836-000
TEMP: A6200
TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS ON THE NIBLICK EAGLE EVENT (U), 72 P., (SRD)

.block

18432

.endblock

.block

copy: 1 id: 51216-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18457
AUTH: STEELE R.L.
CLSS: SRD
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LAB (LIVERMORE, CA.)
DATE: 6303
DESC: EXPERIMENTAL
DESC: Nuclear Test Simulation Field Programs experiment design neutron
experiments L1
DESC: Nuclear Weapon Effects ordnance bombs mines warheads nuclear L1
DESC: Nuclear weapon test device physical operation construction geometry
materials components L1
EFFT: NEUTRON
REPN: UCRL 7270
SHOT: SMALL BOY
TSHO: SURFACE
SOCE: [REDACTED]
SUJO: 3-161-100 ; 4-820-300 ; 4-836-000
TEMP: A6225
TTTL: CLASSIFIED TTITLE (U) 78 P., (SRD)

.block

18457

.endblock

.block

copy: 1 id: 51242-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18458
ABS: Since 1952 the neutronics division of LRL has been measuring various
parameters of many types of critical and subcritical systems. The
present handbook is intended as a ready reference for nuclear safety
work? it is intended to be an extension of, as well as a supplement
to, UCRL-6483, since some previously unpublished data and
specialized systems data are included.
AUTH: RALSONT H.R. ; REYENGA A.J.
CLSS: SRD
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LAB (LIVERMORE, CA.)
DATE: 6403
DESC: EXPERIMENTAL
DESC: Nuclear weapon test device physical operation construction geometry
materials components L1
DESC: Nuclear weapon safety criticality studies L1
REPN: UCRL 07727
SOCE: [REDACTED]
SUJO: 4-836-000 ; 4-838-900
TEMP: A6226
TTTL: HANDBOOK OF CRITICALITY MEASUREMENT AT THE LAWRENCE RADIATION
LABORATORY (U), 108 P., (SRD)
TNFF: 8870

.block

18458

.endblock

.block

copy: 1 id: 51243-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18525
AUTH: JAMES R.A.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6402
DESC: Nuclear Weapon Effects on animals ionizing radiation chronic
internal L5 I-131 I-133
EFFT: FALLOUT
REPN: UCRL 7716
TSHO: UG-VENTED ; LOW-ALT
SUJO: 3-312-220
TITL: CALCULATION OF RADIOACTIVE IODINE CONCENTRATIONS IN MILK AND HUMAN
THYROID AS A RESULT OF NUCLEAR EXPLOSIONS (U), 20 P., (U)

.block

18525

.endblock

.block

copy: 1 id: 51309-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18553
ADNO: 430820
CLSS: U
CCDE: PRESS
CONN: AF 33(657) 8104
CORP: IBM CORP. (OWEGO, N.Y.)
DATE: 6309
DESC: SIMULATION (REACTOR) ; EXPERIMENTAL CODE
DESC: Nuclear Weapon Effects electronic subsystems recorders amplifiers L1
LEAD NETWORK AMPLIFIER SERVO AMPLIFIER BANDPASS AMPLIFIER AMPLIFIER
DEMODULATOR
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTORS
EFFT: TREE
REPN: RTD TDR 63 4147
SUJO: 3-213-000 ; 3-221-000
TITL: EXPERIMENTAL PROGRAM TO DETERMINE THE FEASIBILITY OF USING
ANALYTICAL TECHNIQUES IN ANALYZING RADIATION EFFECTS TO FLIGHT
CONTROL SYSTEMS (U), CA. 100 P., (U)
TREE: 342

.block

18553

.endblock

.block

copy: 1 id: 51334-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 18557
AUTH: DURKEE R.K. ; LUCAS A.C. ; YORK N.B. ; DAHLSTROM T.S. ; BLAIR G.E.
CLSS: U
CONN: DA 49 186 ORD 1059
CORP: EG+G, INC. (SANTA BARBARA, CA.)
DATE: 6401
DESC: EXPERIMENTAL
DESC: test instruments nuclear radiation dosimeters radiacs L1
REPN: S 237 R
SUJO: 4-346-000
TITL: ENERGY-AND RATE-DEPENDENCE STUDIES (U), 139 P., (U)
TREE: 642

.block
18557
.endblock

.block
copy: 1 id: 51336-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 18571
ADNO: 442885
AUTH: HIRSH M.N. ; EISNER P.N.
CLSS: U
CCDE: ROUTINE TO CALCULATE FREQUENCY SHIFT
CONN: DA 36 039 SC 87318
CORP: G.C. DEWEY CORP. (NEW YORK, N.Y.)
DATE: 6306
DESC: Radiation Transport electron L1
DESC: Absorption Spectrum Transmission Opacity of Natural Heated Air L1
ABSORPTION IN AIR O2 N2
DESC: Composition Chemistry Atmosphere Reaction Rates L1 REACTION RATE
DESC: SIMULATION (VAN DE GRAAF) ; EXPERIMENTAL CODE
EFFT: BETA
REPN: R 146 F
SUJO: 5-200-000 ; 5-400-000 ; 9-680-000
TITL: EXPERIMENTAL INVESTIGATION OF THE EFFECTS OF RADIATION ON THE
PROPAGATION OF ELECTROMAGNETIC SIGNALS IN AIR (U), 125 P., (U)

.block
18571
.endblock

.block
copy: 1 id: 51346-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 18572

AUTH: TRIMMER P.A.
CLSS: U
CORP: HARRY DIAMOND LABS. (WASH., D.C.)
DATE: 6404
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 VACUUM TUBE TRIODES
DESC: SIMULATION (REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic subsystems recorders amplifiers L1
BASIC TRIODE AMPLIFIER AUDIO AMPLIFIER
DESC: Nuclear Weapon Effects electronic subsystems analysis circuit
network L1 CATHODE FOLLOWER
EFFT: TREE
REPN: HDL TR 1197
SUJO: 3-213-000 ; 3-219-000 ; 3-229-000
TITL: TRANSIENT RADIATION EFFECTS ON BASIC TRIODE AMPLIFIERS (U), 33 P.,
(U)

TREE: 369

.block

18572

.endblock

.block

copy: 1 id: 51347-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18638
AUTH: SNYDER A.W. ; MEHL C.R. ; HANSEN G.J.
CLSS: SRD
CORP: SANDIA CORPORATION (ALBUQUERQUE, N.M.)
DATE: 6307
DESC: EXPERIMENTAL
DESC: Nuclear Test Simulation Field Programs experiment design neutron
experiments L1
DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse width L1
DESC: Nuclear Test Simulation Field Programs experiment design gamma
experiments L1
DESC: Nuclear Weapon Environment Prompt Neutron source strength total
fluence L1
DESC: Nuclear Weapon Environment Prompt Neutron dose rate pulse width L1
REPN: SCDR 111 63 ; RS 3423/1231
SHOT: SMALL BOY
TSHO: SURFACE
SUJO: 1-110-000 ; 1-140-000 ; 1-740-000 ; 4-820-300 ; 4-820-400
TEMP: A5983
TITL: SMALL BOY PROJECT 45.9 -NEUTRON AND GAMMA RAY RADIATION MEASUREMENTS
(U)

TREE: 910 ; 920

.block

18638

.endblock

.block

copy: 1 id: 51418-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 18652
CLSS: SRD
CORP: SANDIA CORPORATION ; LAWRENCE RADIATION LAB. (LIVERMORE, CA.) ; LOS
ALAMOS SCIENTIFIC LAB. (LOS ALAMOS, N.M.)
DATE: 6409
DESC: TABULAR
DESC: Nuclear weapon test device physical operation construction geometry
materials components L1 PEBBLES
REPN: SC WD 64 597 ; RS 3410/106
SUJO: 4-836-000
TEMP: A6387
TITL: INITIAL PEBBLES STATUS REPORT (U), 42 P., (SRD)

.block

18652

.endblock

.block

copy: 1 id: 51432-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 18660
ABS: This report describes the electromagnetic radiation (EMR) tests
conducted by Sandia Corporation and the U.S. Naval Weapons
Laboratory (NWL). Test results and recommendations are also
presented.

AUTH: MCEWEN L.W.
CLSS: SRD
CORP: SANDIA CORPORATION (ALBUQUERQUE, NM.)
DATE: 6404
DESC: EXPERIMENTAL
DESC: Nuclear weapon safety EM pickup EMR RF hazards L1
REPN: SCDR 291 63 ; RS 3410/13
SOCE: B-57 MOD 0/1 BOMB
SUJO: 4-838-400
SYST: S-2D AIRCRAFT ; SH-34G AIRCRAFT ; A-3A AIRCRAFT
TEMP: A6424
TITL: SANDIA CORPORATION/NAVAL WEAPONS LABORATORY ELECTROMAGNETIC
RADIATION TESTS OF THE B57 MOD 0 AND MOD 1 WEAPONS (U) 52 P., (SRD)
TNFF: 8850

.block

18660

.endblock

.block

copy: 1 id: 51440-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 18679
CLSS: SRD

CORP: SANDIA CORPORATION (LIVERMORE, CA.) ; LAWRENCE RADIATION LAB.
(LIVERMORE, CA.)

DATE: 6305

DESC: Nuclear weapon test device physical operation construction geometry
materials components L1

DESC: TABULAR

DESC: Nuclear weapon safety operational in-field use reliability broken
arrows L1

REPN: SC 4854(WD) ; RS 8233/17898

SOCE: MK 55 MOD 0

SUJO: 4-836-000 ; 4-838-600

SYST: SUBROC

TEMP: A6446

TITL: MK 55 MOD 0 INTERIM DEVELOPMENT REPORT (U) 76 P., (SRD)

.block

18679

.endblock

.block

copy: 1 id: 51459-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18741

AUTH: COSTANTINO J.A.

CLSS: U

CORP: FRANKFORD ARSENAL (PHILADELPHIA, PA.)

DATE: 6306

DESC: Nuclear Weapon Effects electronic subsystems analysis circuit
network L1 OSCILLATOR DIVIDERS MULTIVIBRATOR

DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTORS

DESC: Nuclear Weapon Effects Communications Systems C4 hardware optical
devices sensors IR detectors L1 TRANSISTORIZED SYNC GENERATOR

EFFT: TREE

REPN: CP 63 1120

SUJO: 3-133-000 ; 3-219-000 ; 3-221-000

TITL: TRANSIENT RADIATION EFFECTS ON A TRANSISTORIZED SYNC GENERATOR (U),
14 P., (U)

TREE: 310 ; 367

.block

18741

.endblock

.block

copy: 1 id: 51521-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18744

AUTH: COURTOIS D.A.

CLSS: U

CORP: BENDIX CORP. (ANN ARBOR, MI.)

DATE: 6306
DESC: Nuclear Weapon Effects electronic subsystems analysis circuit
network L1 MULTIVIBRATORS INVERTERS DATA LINE DRIVERS GATES NOR
CIRCUITS
DESC: Nuclear Weapon Effects electronic subsystems recorders amplifiers L1
VIDEO AMPLIFIERS
DESC: SIMULATION (CO 60) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects ship systems surface ships L1
DESC: Nuclear Weapon Effects electronic subsystems computers memory L1
EFFT: TREE
REPN: BSC 37753 ; CP 63 1121
SUJO: 3-122-000 ; 3-212-000 ; 3-213-000 ; 3-219-000
TITL: EFFECTS OF SIMULATED TRANSIT RADIATION ON DIGITAL CIRCUITS (U), 17
P., (U)

TREE: 341

.block

18744

.endblock

.block

copy: 1 id: 51523-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18745

AUTH: TIETZE F.C.

CLSS: U

CORP: IBM CORP. (OWEGO, N.Y.)

DATE: 6306

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 THYROTURNS

DESC: SIMULATION (PULSED REACTOR FLASH X-RAY) ; EXPERIMENTAL

EFFT: TREE

REPN: CP 63 1179

SUJO: 3-229-000

TITL: PULSED RADIATION EFFECTS ON THYRATRON TUBES (U), 20 P., (U)

TREE: 305

.block

18745

.endblock

.block

copy: 1 id: 51524-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18746

AUTH: BROOKS E.H. ; ROBB R.E. ; COCCA U. ; SEIGWORTH D.W.

CLSS: U

CORP: GENERAL ELECTRIC CO., ELECTRONIC LAB. (SYRACUSE, N.Y.)

DATE: 6305

DESC: Nuclear Weapon Effects electronic subsystems recorders amplifiers L1
AMPLIFIER

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes

silicon-controlled rectifiers L1 TRANSISTORS DIODES

DESC: Nuclear Weapon Effects electronic subsystems analysis circuit
network L1 TRANSISTOR OSCILLATOR TUNNEL DIODE OSCILLATOR CERAMIC
TUBE OSCILLATOR TUNNEL DIODE FLIP-FLOP CERAMIC TUBE FLIP-FLOP

DESC: SIMULATION (REACTOR LINAC) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic subsystems guidance control L1

EFFT: TREE

REPN: CPA 63 5155

SUJO: 3-211-000 ; 3-213-000 ; 3-219-000 ; 3-221-000

TITL: CIRCUIT PERFORMANCE IN A RADIATION ENVIRONMENT (U), 34 P., (U)

TREE: 342

.block

18746

.endblock

.block

copy: 1 id: 51525-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18757

CLSS: U

CORP: EG+G, INC. (SANTA BARBARA, CA.)

DATE: 6403

DESC: test instruments test hardware pressure stress L1 TRANSDUCER

DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 WIRES

DESC: test instruments nuclear radiation gamma L1

DESC: test instruments nuclear radiation neutron L1

DESC: SIMULATION (REACTOR) ; EXPERIMENTAL

EFFT: TREE

REPN: S 245 R

SUJO: 3-231-000 ; 4-311-000 ; 4-341-000 ; 4-342-000

TITL: TCC CONTROL SYSTEMS, TRANSDUCER EVALUATION, WIRE EVALUATION, AND
CALORIMETRIC DETECTOR DEVELOPMENT (U), 90 P., (U)

TREE: 390

.block

18757

.endblock

.block

copy: 1 id: 51533-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18760

AUTH: STAFFIN R.

CLSS: U

CONN: DA 36 039 AMC 02310(E)

CORP: PROCEDYNE ASSOCIATES, INC. (NEW BRUNSWICK, N.J.)

DATE: 6300

DESC: SIMULATION (PULSED REACTOR) ; THEORY EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors

vacuum tubes dielectrics relays switches L1 TUBES

EFFT: TREE

SUJO: 3-229-000
TITL: FREQUENCY RESPONSE ANALYSIS OF RADIATION EFFECTS DATA ON ELECTRON
TUBES, REPORT NO. 1 (U), 80 P., (U)

TREE: 305

.block

18760

.endblock

.block

copy: 1 id: 51536-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18888

AUTH: MUCKENTHALER F.J.

CLSS: S

CONN: W 7405 ENG 26

CORP: OAK RIDGE NATIONAL LAB (OAK RIDGE, TN.)

DATE: 6303

DESC: EXPERIMENTAL

DESC: Cross Sections neutron L1

DESC: Nuclear Weapon Effects on animals ionizing radiation prompt L5

DESC: Cross Sections gamma L1

DESC: Nuclear Weapon Effects land transport armored vehicles L5 TANK DOSE

REPN: ORNL 3395

SUJO: 3-151-000 ; 3-312-100 ; 9-820-000 ; 9-830-000

SYST: M-48 TANK

TEMP: A6782

TITL: RADIATION ATTENUATION CHARACTERISTICS OF U.S. ARMY M-48 TANK (U) 47
P., (S)

.block

18888

.endblock

.block

copy: 1 id: 51663-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18914

CLSS: SRD CNWDI

CORP: SANDIA CORPORATION (LIVERMORE, CA.) ; LAWRENCE RADIATION LAB.
(LIVERMORE, CA.)

DATE: 6301

DESC: TABULAR

DESC: Nuclear weapon test device physical operation construction geometry
materials components L1

DESC: Nuclear weapon safety operational in-field use reliability broken
arrows L1

REPN: SC 4848(WD) ; RS 8233/16043

SOCE: MK 45 MOD 0 ; MK 45 MOD 1

SUJO: 4-836-000 ; 4-838-600

TEMP: A6360

TITL: FINAL DEVELOPMENT REPORT FOR THE MK 45 MOD 0 AND MOD 1 WARHEADS,

VOL. 1 (U), 46 P., (SRD CNWDI)

.block

18914

.endblock

.block

copy: 1 id: 51689-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19015

CLSS: SRD

CORP: DEFENSE COMMUNICATIONS AGENCY

DATE: 6310

DESC: Nuclear Warfare Strategic radiological warfare L1

DESC: Nuclear Weapon Environment radiation decay gamma decay L1

DESC: THEORY TABULAR

DESC: Nuclear Weapon Effects on animals ionizing radiation chronic

external L5

DESC: Target Analysis civilians population at risk casualties L1

DESC: Nuclear Weapon Environment radiation decay isotopic half lives L1

DESC: Nuclear Weapon Environment fallout intensity contours patterns L1

TSHO: SURFACE ; LOW-ALT

SUJO: 2-223-410 ; 2-223-420 ; 2-225-100 ; 3-312-210 ; 3-422-800 ;

3-433-000

TEMP: A6871

TITL: COMPARISON OF SELECTED EFFECTS OF CLEAN AND NORMAL NUCLEAR WEAPONS
IN WAR (U) 318 P., (SRD)

.block

19015

.endblock

.block

copy: 1 id: 51790-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19071

AUTH: TERESI J.D. ; BANKOFIER A. ; NEWCOMBE C.L. ; MACKIN J.L.

CLSS: SRD

CORP: NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO, CA.)

DATE: 6312

DESC: Nuclear Weapon Effects on animals ionizing radiation chronic

external L1

DESC: Nuclear Weapon Effects on animals thermal ocular effects L5

DESC: Nuclear Weapon Effects flight systems airplanes electronics L5

DESC: Nuclear weapon safety radiological L1

DESC: TABULAR

EFFT: TREE

REPN: NRDL TR 697

SUJO: 3-111-300 ; 3-312-210 ; 3-313-200 ; 4-838-100

SYST: NIKE ZEUS

TEMP: A6962

TITL: EVALUATION OF HAZARDS FROM NIKE-ZEUS OPERATIONS AND FROM THE

RECOVERY OF RE-ENTRY VEHICLES (U) 127 P., (SRD)

.block

19071

.endblock

.block

copy: 1 id: 51845-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19152

AUTH: BANDTEL K.C.

CLSS: SRD

CONN: W 7405 ENG 48

CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)

DATE: 6406

DESC: Nuclear Weapon Effects ordnance bombs mines warheads nuclear L1

DESC: Nuclear Weapon Effects reentry systems RV structures L1 ARES BAGPIPE

DESC: TABULAR

DESC: Nuclear weapon test device physical operation construction geometry

materials components L1

EFFT: X-RAY ; NEUTRON ; AIR-BLAST

REPN: UCRL 7954

SUJO: 3-113-100 ; 3-161-100 ; 4-836-000

SYST: MK 12 RV ; MK 2 RV

TEMP: A6551

TITL: SUMMARY OF HARDENING MEETING HELD AT LAWRENCE RADIATION LABORATORY
LIVERMORE, ON APRIL 14, 1964 (U) 96 P., (SRD)

.block

19152

.endblock

.block

copy: 1 id: 51926-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19153

AUTH: RUSSELL J.W.

CLSS: SRD

CONN: W 7405 ENG 48

CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)

DATE: 6405

DESC: Nuclear Weapon Environment Prompt Neutron energy spectrum L1

DESC: Nuclear Weapon Effects ordnance bombs mines warheads nuclear L1

DESC: Nuclear Weapon Effects reentry systems RV electronics L1

DESC: THEORY TABULAR

DESC: Nuclear weapon test device physical operation construction geometry

materials components L1

EFFT: NEUTRON

REPN: UCRL 7835

SOCE: [REDACTED]

SUJO: 1-120-000 ; 3-113-300 ; 3-161-100 ; 4-836-000

SYST: MK 11A RV [REDACTED]

TEMP: A6552
TITL: STUDIES OF NEUTRON HARDENING (U) 80 P., (SRD)

.block

19153

.endblock

.block

copy: 1 id: 51927-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19157-11

AUTH: ROSENGREN J.W.

CLSS: SRD

CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)

DATE: 6408

DESC: Nuclear weapon test device physical operation construction geometry
materials components L5

DESC: Nuclear Weapon Effects ordnance bombs mines warheads nuclear L5

DESC: SUMMARY

EFFT: NEUTRON

SOCE: [REDACTED]

SUJO: 3-161-100 ; 4-836-000

SYMJ: MINUTES OF THE AEC-DOD HARDENING INFORMATION EXCHANGE MEETING

SYST: MK 11 RV ; MK 12 RV

TITL: SUMMARY OF LRL PROGRAMS ON PENETRATION (U), 11 P., (SRD)

.block

19157-11

.endblock

.block

copy: 1 id: 51932-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19157-23

AUTH: BANDTEL K.C.

CLSS: SRD

CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)

DATE: 6408

DESC: SUMMARY

DESC: Nuclear Weapon Effects ordnance bombs mines warheads nuclear L5
BAGPIPE

DESC: Nuclear RDT&E Research Program Descriptions integrated effects
system studies L5

EFFT: AIR-BLAST

SUJO: 3-161-100 ; 4-160-000

SYMJ: MINUTES OF THE AEC-DOD HARDENING INFORMATION EXCHANGE MEETING

SYST: MK 12 RV

TITL: BAGPIPE HARDENING PROGRAM (U), 9 P., (SRD)

.block

19157-23

.endblock

.block

copy: 1 id: 51933-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19171

ABS: The attached document is considered to be the most comprehensive
analysis to date on the utility of radioactive fallout as a weapon
and the implications of its employment.

CLSS: SRD

CORP: ARMY COMBAT DEVELOPMENT COMMAND

DATE: 6408

DESC: TABULAR

DESC: Nuclear Warfare Theater integrated battlefield radiological L1
OREGON TRAIL

DESC: Nuclear Weapon Environment radiation decay gamma decay L1

DESC: Nuclear Weapon Environment fallout intensity contours patterns L1

DESC: Nuclear Weapon Effects on animals ionizing radiation chronic
internal L1

REPN: ACDCNG 4 64

SHOT: ESS ; UNCLE ; BRITISH (56-09-27) ; BRITISH (56-10-04) ; SUGAR

TSHO: SURFACE

SUJO: 2-223-420 ; 2-225-100 ; 3-312-220 ; 3-415-400

TEMP: A7036

TITL: EMPLOYMENT OF RADIOACTIVE FALLOUT AS A WEAPON (U), 342 P., (SRD)

TNFF: 4620

.block

19171

.endblock

.block

copy: 1 id: 51954-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19192

AUTH: FALKENBURY R.F. ; MORRIS B.E. ; STOKES J.R.

CLSS: C

CONN: DA 23 072 AMC 209(T)

CORP: NUCLEAR AEROSPACE RESEARCH FACILITY (FT. WORTH, TX.)

DATE: 6407

DESC: Nuclear Weapon Effects land transport armored vehicles L1 INTERIOR
DOSE

DESC: Cross Sections gamma L1 TANK SHIELDING

DESC: TABULAR

DESC: Cross Sections neutron L1

REPN: FZK 189 3

CCDE: SPARC (NEUTRON AND GAMMA SHIELDING) GD FT. WORTH

SUJO: 3-151-000 ; 9-820-000 ; 9-830-000

TEMP: A6904

TITL: JOINT UNITED STATES/FEDERAL REPUBLIC OF GERMANY RADIOLOGICAL ARMOR
PARAMETRIC DESIGN STUDY, FINAL REPORT--VOL. 3, SLAB TRANSMISSION
PROBABILITIES (U), 318 P., (S)

TREE: 411 ; 412

.block

19192

.endblock

.block

copy: 1 id: 51974-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19193

AUTH: RIGGLE W.L. ; STOKES J.R.

CLSS: C

CONN: DA 23 072 AMC 209 (T)

CORP: NUCLEAR AEROSPACE RESEARCH FACILITY (FT. WORTH, TX.)

DATE: 6407

DESC: Cross Sections gamma L1

DESC: Cross Sections neutron L1 TANK SHIELDING

DESC: TABULAR

REPN: FZK 189 1

SUJO: 9-820-000 ; 9-830-000

TEMP: A6905

TITL: JOINT UNITED STATES/FEDERAL REPUBLIC OF GERMANY RADIOLOGICAL ARMOR
PARAMETRIC DESIGN STUDY FINAL REPORT; VOL. 1, SUMMARY REPORT (U), 42
P., (S)

TREE: 411 ; 412

.block

19193

.endblock

.block

copy: 1 id: 51975-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19205

AUTH: CANFIELD R.V. ; CAHOON J.B.

CLSS: SFRD

CONN: W 7405 ENG 48

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)

DATE: 6403

DESC: Nuclear weapon security control L1

DESC: THEORY

REPN: UCID 4655

SUJO: 4-832-700

TEMP: A6982

TITL: IMPROVED GLASS MEMBRANE (U) 35 P., (SFRD)

TNFF: 7496

.block

19205

.endblock

.block

copy: 1 id: 51987-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19206
AUTH: GOLDMAN D.
CLSS: SRD
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6308
DESC: TABULAR
DESC: Nuclear weapon security control L1
REPN: UCID 4588
SUJO: 4-832-700
TEMP: A6983
TITL: ISS AND MILITARY CONTROL REQUIREMENTS (U) 19 P., (SRD)
TNFF: 7496

.block

19206

.endblock

.block

copy: 1 id: 51988-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19207
AUTH: MOULTHROP P.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6307
DESC: Nuclear Weapon Environment Prompt Neutron source strength total
fluence L1
DESC: Nuclear weapon test yield L1
DESC: TABULAR
REPN: UCID 4593
SUJO: 1-110-000 ; 4-835-000
TEMP: A6984
TITL: SUMMARY OF ENHANCED AND SUPPRESSED RADIATION WEAPONS (U) 9 P., (SRD)
TREE: 920

.block

19207

.endblock

.block

copy: 1 id: 51989-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19507
ABS: A model for calculating transit-radiation dose rates and doses from
the base surge of an underwater nuclear burst is described.
Calculated values are compared with measurements made at Hardtack
Wahoo and umbrella, Crossroads Baker, and Wigwam. The model is a
geometrical radiological representation of the base surge, whose
characteristics depend on weapon yield, burst depth, and surface

wind speed. The model is estimated to be valid for 1-kt to 100-kt underwater bursts for minimum burst depths of 20 to 90 ft respectively, and for times at least 30 seconds after burst. Dose rates and doses can be computed for either fixed or moving points in the radiation field.

AUTH: HUEBSCH I.O.
CLSS: CFRD
CORP: NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO, CA.)
DATE: 6305
DESC: Nuclear Weapon Environment fallout intensity contours patterns L1
BASE SURGE DOSE CONTOURS
DESC: THEORY EXPERIMENTAL
DESC: Nuclear Weapon Phenomenology base surge L1
REPN: NRDL TR 653
SHOT: WIGWAM ; BAKER (CROSSROADS) ; UMBRELLA ; WAHOO
TSHO: UW
SUJO: 2-224-120 ; 2-225-100
TEMP: A7382
TITL: MODEL FOR COMPUTING BASE-SURGE DOSE-RATE HISTORIES FOR UNDERWATER
NUCLEAR BURSTS (U), 96 P., (CFRD)
TNFF: 4887 ; 4860

.block

19507

.endblock

.block

copy: 1 id: 52267-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19538

ABS: Most modern weapons and missiles use Electro-Explosive Devices (EEDS) to perform various functions in firing and control operations. If sufficient energy from a nearby antenna is inadvertently "picked up" by the firing circuit associated with the EED, there is a possibility of a premature ignition. There has been considerable work done in recent years on the design of devices to preclude Hazards of Electromagnetic Radiation to Ordnance (HERO). In the main these devices use the principle of frequency discrimination, that is they reject or dissipate RF energy and pass the DC or low frequency firing signal. Low-pass filters and DC relays are examples of such devices. For a frequency discriminator to perform satisfactorily, the firing signal must have different frequency characteristics from any spurious signal that may be introduced.

AUTH: LYSHER L.J.
CLSS: U (DECLASSD)
CORP: NAVAL WEAPONS LABORATORY (DAHLGREN, VA.)
DATE: 6402
DESC: Nuclear weapon safety EM pickup EMR RF hazards L1
DESC: EXPERIMENTAL
REPN: W 1/64
SUJO: 4-838-400
TEMP: A7341

TITL: INVESTIGATION OF HERO PROBLEMS INVOLVING RF ARCS AND SOME PROPOSALS
FOR THEIR SOLUTION (U), 21 P., (C)

TNFF: 8850

.block

19538

.endblock

.block

copy: 1 id: 52296-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19674

AUTH: BROWN W.L. ; HESS W.N. ; VAN ALLEN J.A.

CLSS: U

CORP: BELL TELEPHONE LABORATORIES (MURRAY HILL-NEW JERSEY) , NASA/GODDARD
SPACE FLIGHT CENTER (GREENBELT-MARYLAND) , STATE UNIVERSITY OF IOWA
(IOWA CITY-IOWA)

DATE: 6302

DESC: Nuclear Weapon Phenomenology High-Altitude injection trapping

DESC: SUMMARY

SHOT: STARFISH

TSHO: HI-ALT

SUJO: 2-217-000

SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 68, NUMBER 3 (U), P 605,
FEBRUARY 1, 1963

TITL: COLLECTED PAPERS ON THE ARTIFICIAL RADIATION BELT FROM THE JULY 9,
1962, NUCLEAR DETONATION (U), 2 P (U)

.block

19674

.endblock

.block

copy: 1 id: 52457-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19698

AUTH: NAKADA M.P.

CLSS: U

CORP: NASA/GODDARD SPACE FLIGHT CENTER (GREENBELT-MARYLAND)

DATE: 6304

DESC: Nuclear Weapon Phenomenology High-Altitude injection trapping

DESC: THEORY EXPERIMENTAL

DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum

DESC: Nuclear Weapon Environment Induced Synchrotron Noise

SHOT: STARFISH

TSHO: HI-ALT

SUJO: 2-213-000 ; 2-217-000 ; 2-420-000

SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH, (U) VOLUME 68, NUMBER 13 (U), P
4079, JULY 1, 1963

TITL: SYNCHROTRON RADIATION CALCULATIONS FOR THE ARTIFICIAL RADIATION BELT
(U), 11 P(U)

.block

19698

.endblock

.block

copy: 1 id: 52481-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19700

AUTH: BALSER M. ; PANNELL J.H.

CLSS: U

CORP: LINCOLN LABORATORY (LEXINGTON-MASSACHUSETTS)

DATE: 6304

DESC: Nuclear Weapon Environment Induced Synchrotron Noise

DESC: PALMYRA I ; EXPERIMENTAL

SHOT: STARFISH

TSHO: HI-ALT

SUJO: 2-420-000

SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 68, NUMBER 13 (U), P

4119, JULY 1, 1963

TITL: EARLY SYNCHROTRON RADIATION RESULTING FROM THE JULY 9 HIGH-ALTITUDE
NUCLEAR DETONATION (U), 6 P (U)

.block

19700

.endblock

.block

copy: 1 id: 52483-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19702

AUTH: KILLEEN J. ; HESS W.N. ; LINGENFELTER R.E.

CLSS: U

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA) , NASA/GODDARD
SPACE FLIGHT CENTER (GREENBELT-MARYLAND) , UNIVERSITY OF CALIFORNIA
(LOS ANGELES-CALIFORNIA)

DATE: 6305

DESC: Nuclear Weapon Phenomenology High-Altitude injection trapping

DESC: THEORY

SHOT: STARFISH

TSHO: HI-ALT

SUJO: 2-217-000

SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 68, NUMBER 16 (U), P

4637, AUGUST 15, 1963

TITL: ELECTRONS FROM BOMB NEUTRON DECAY (U), 7 P (U)

.block

19702

.endblock

.block

copy: 1 id: 52485-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19703
AUTH: KENNEY J.F. ; WILLARD H.R.
CLSS: U
CORP: BOEING AIRCRAFT COMPANY (SEATTLE-WASHINGTON)
DATE: 6305
DESC: Nuclear Weapon Phenomenology High-Altitude injection trapping
DESC: Nuclear Weapon Phenomenology Atmospheric Ionization Chemistry
general descriptions
DESC: THEORY
SUJO: 2-217-000 ; 2-311-000
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 68, NUMBER 16 (U), P
4645, AUGUST 15, 1963
TITL: TRAPPED RADIATION AND IONOSPHERIC PERTURBATIONS DUE TO AN IMPULSIVE
NEUTRON SOURCE (U), 13 P (U)

.block

19703

.endblock

.block

copy: 1 id: 52486-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19706
AUTH: GOLDMAN S.C. ; HOROWITZ S.
CLSS: U
CORP: AEROSPACE RESEARCH INCORPORATED (BOSTON-MASSACHUSETTS) , AIR
FORCE/CAMBRIDGE RESEARCH LABORATORIES (BEDFORD-MASSACHUSETTS)
DATE: 6305
DESC: ADDIS ABABA ETHIOPIA ACCRA GHANA ; EXPERIMENTAL
DESC: Nuclear Weapon Environment Induced Synchrotron Noise
SHOT: STARFISH
TSHO: HI-ALT
SUJO: 2-420-000
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 68, NUMBER 16 (U), P
4865, AUGUST 15, 1963
TITL: SYNCHROTRON RADIATION DECAY AT EQUATORIAL SITES (U), 1 P (U)

.block

19706

.endblock

.block

copy: 1 id: 52489-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19707
AUTH: BASLER R.P.
CLSS: U
CONN: G 18704 (NSF)
CORP: GEOPHYSICAL INSTITUTE (COLLEGE-ALASKA)
DATE: 6306

DESC: ELTANIN SHIP CHILE ; EXPERIMENTAL
DESC: Nuclear Weapon Environment Induced Synchrotron Noise
DESC: Nuclear Weapon Effects EM Propagation absorption blackout
SHOT: STARFISH
TSHO: HI-ALT
SUJO: 2-321-100 ; 2-420-000
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 68, NUMBER 16 (U), P
4869, AUGUST 15, 1963
TITL: ISOLATED OBSERVATION OF THE SYNCHROTRON RADIATION ASSOCIATED WITH
THE JULY 9 NUCLEAR EXPLOSION (U), 1 P (U)

.block

19707

.endblock

.block

copy: 1 id: 52490-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19717
AUTH: OCHS G.R.
CLSS: U
CORP: INSTITUTE FOR TELECOMMUNICATION SCIENCES AND AERONOMY
(BOULDER-COLORADO)

DATE: 6311
DESC: Nuclear Weapon Environment Induced Synchrotron Noise
DESC: JICAMARCA PERU ; EXPERIMENTAL
DESC: Nuclear Weapon Phenomenology High-Altitude injection trapping
SHOT: STARFISH
TSHO: HI-ALT
SUJO: 2-217-000 ; 2-420-000
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 69, NUMBER 5 (U), P
1014, MARCH 1, 1964
TITL: FURTHER OBSERVATIONS OF SYNCHROTRON RADIATION DECAY (U), 3 P (U)

.block

19717

.endblock

.block

copy: 1 id: 52500-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19722
AUTH: FRANK L.A. ; VAN ALLEN J.A. ; HILLS H.K.
CLSS: U
CONN: NSG 233 62 (NASA)
CORP: STATE UNIVERSITY OF IOWA (IOWA CITY-IOWA)
DATE: 6402
DESC: Nuclear Weapon Phenomenology High-Altitude injection trapping
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum
DESC: SATELLITE (EXPLORER 14) ; EXPERIMENTAL
SHOT: RUSSIAN (62-10-22) ; RUSSIAN (62-10-28)

TSHO: HI-ALT
SUJO: 2-213-000 ; 2-217-000
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 69, NUMBER 11 (U), P
2171, JUNE 1, 1964
TTTL: STUDY OF CHARGED PARTICLES IN THE EARTH S OUTER RADIATION ZONE WITH
EXPLORER 14 (U), 21 P (U)

.block

19722

.endblock

.block

copy: 1 id: 52505-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19734
AUTH: BOSTROM C.O. ; WILLIAMS D.J.
CLSS: U
CONN: NOW 62 0604 C (BNW)
CORP: APPLIED PHYSICS LABORATORY (SILVER SPRING-MARYLAND)
DATE: 6408
DESC: SATELLITE (1963 38C) ; EXPERIMENTAL
DESC: Nuclear Weapon Phenomenology High-Altitude injection trapping
TSHO: HI-ALT
SUJO: 2-217-000
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 70, NUMBER 1 (U), P 240,
JANUARY 1, 1965
TTTL: TIME DECAY OF THE ARTIFICIAL RADIATION BELT (U), 3 P (U)

.block

19734

.endblock

.block

copy: 1 id: 52517-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19739
AUTH: D ARCY R.G. ; COLGATE S.A.
CLSS: U
CONN: AF 19 (604) 4554 ; NSG 179 61 (NASA)
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6412
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum
DESC: FIJI I ; EXPERIMENTAL
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum
SHOT: STARFISH
TSHO: HI-ALT
SUJO: 2-211-000 ; 2-212-000 ; 2-213-000
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 70, NUMBER 13 (U), P

3147, JULY 1,1965

TITL: MEASUREMENTS AT THE SOUTHERN MAGNETIC CONJUGATE REGION OF THE
FISSION DEBRIS FROM THE STARFISH NUCLEAR DETONATION (U), 13 P (U)

.block

19739

.endblock

.block

copy: 1 id: 52522-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19740

AUTH: COLGATE S.A.

CLSS: U

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)

DATE: 6412

DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum

DESC: THEORY

SUJO: 2-211-000

SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 70, NUMBER 13 (U), P
3161, JULY 1,1965

TITL: PHENOMENOLOGY OF THE MASS MOTION OF A HIGH ALTITUDE NUCLEAR
EXPLOSION (U), 13 P (U)

.block

19740

.endblock

.block

copy: 1 id: 52523-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19844

ABS: Vulnerability of the XW-48 warhead to the electromagnetic radiation
(EMR) environment it will be likely to encounter during it
stockpile-to-target sequence is analyzed.

AUTH: KNOPF C.R.

CLSS: SRD

CORP: SANDIA CORPORATION (LIVERMORE, CA.)

DATE: 6306

DESC: Nuclear weapon safety EM pickup EMR RF hazards L1

DESC: THEORY

REPN: SC TM 13 63 81 ; RS 8233/19662

SOCE: XW-48

SUJO: 4-838-400

TEMP: A7213

TITL: CLASSIFIED TITLE (U), 22 P., (SRD)

TNFF: 8850

.block

19844

.endblock

.block

copy: 1 id: 52657-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19856
CLSS: SRD
CORP: ARMY COMBAT DEVELOPMENTS COMMAND
DATE: 6310
DESC: Nuclear Weapon Effects on animals ionizing radiation prompt L5
DESC: Cross Sections gamma L5
DESC: THEORY
DESC: Nuclear Weapon Effects land transport armored vehicles L1
REPN: ACDCNG 62 7
SUJO: 3-151-000 ; 3-312-100 ; 9-830-000
TEMP: A7060
TITL: RADIOLOGICAL SHIELDING REQUIREMENTS FOR ARMY VEHICLES (U), 187 P.,
(SRD)

.block
19856
.endblock

.block
copy: 1 id: 52668-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19909
AUTH: COLGATE S.A. ; YEE K.S.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6404
DESC: THEORY
DESC: Nuclear Weapon Environment Induced Synchrotron Noise L1
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse EMP L1
EMPF: 221
REPN: UCRL 7495
SHOT: STARFISH
TSHO: HI-ALT
SUJO: 2-420-000 ; 2-510-000
TITL: CHERENKOV ELECTROMAGNETIC RADIATION FROM A NUCLEAR DETONATION IN
SPACE (U), 40 P., (U)

.block
19909
.endblock

.block
copy: 1 id: 52714-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20019
AUTH: THOMAS R.J.

CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6305
DESC: RF EMP shielding protection L1
DESC: THEORY TABULAR
DESC: Simulation Facilities Techniques TREE L5
EMPF: 342
REPN: UCRL 7191
SUJO: 4-272-000 ; 9-810-000
TITL: LOW INTERRUPTING CAPACITY FUSE FOR ENERGY-STORAGE CAPACITOR BANKS
(U), 34 P., (U)

.block

20019

.endblock

.block

copy: 1 id: 53072-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20066

CLSS: SRD

CORP: DASA TEST COMMAND (ALBUQUERQUE, N.M.)

DATE: 6400

DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse EMP L5

DESC: Nuclear Weapon Environment fallout intensity contours patterns L5

DESC: Nuclear Weapon Phenomenology base surge L5

DESC: Nuclear Weapon Environment Water Shock L5

DESC: Nuclear Test Simulation Field Programs experiment design engineering
layout performance program documents L1

DESC: Nuclear Weapon Environment radiation decay gamma decay L5

DESC: SURVEY

DESC: Nuclear Weapon Environment Airblast static overpressure
OVERPRESSURE.L5

TSHO: WATER-SURFACE ; UW

SUJO: 2-223-420 ; 2-224-120 ; 2-225-100 ; 2-510-000 ; 2-611-000 ;
2-630-000 ; 4-820-000

TEMP: 57930

TITL: TECHNICAL OPERATIONS PLAN, DISTANT WATERS PROGRAM (U), 153 P., (SRD)

.block

20066

.endblock

.block

copy: 1 id: 53107-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20156

AUTH: COWAN M.

CLSS: U

CORP: SANDIA CORP.

DATE: 6407

DESC: Nuclear weapon safety explosions airblast structural shock impact L5
DESC: EXPERIMENTAL
DESC: Nuclear weapon safety radiological L1
REPN: SC R 64 127
SUJO: 4-838-100 ; 4-838-300
TITL: MEASUREMENTS FROM GRAVEL GERTIE TESTS (U), 40 P., (U)

.block

20156

.endblock

.block

copy: 1 id: 53191-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20253
CLSS: U
CORP: FEDERAL RADIATION COUNCIL
DATE: 6410
DESC: Nuclear Weapon Environment fallout accumulation rate L1
DESC: Nuclear Weapon Effects on animals ionizing radiation chronic
internal L1
DESC: Nuclear Weapon Environment fallout intensity contours patterns L1
SR-90
DESC: SUMMARY
REPN: FRC 6
SUJO: 2-225-100 ; 2-225-400 ; 3-312-220
TITL: REVISED FALLOUT ESTIMATES FOR 1964-1965 AND VERIFICATION OF THE 1963
PREDICTIONS (U), 29 P., (U)

.block

20253

.endblock

.block

copy: 1 id: 53258-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20254
CLSS: U
CORP: FEDERAL RADIATION COUNCIL
DATE: 6407
DESC: Nuclear Weapon Effects on animals ionizing radiation chronic
internal L1
DESC: Nuclear RDT&E Research Program Descriptions biomedical L1 I-131
DESC: SUMMARY
REPN: FRC 5
SUJO: 3-312-220 ; 4-150-000
TITL: BACKGROUND MATERIAL FOR THE DEVELOPMENT OF RADIATION PROTECTION
STANDARDS (U), 16 P., (U)

.block

20254

.endblock

.block

copy: 1 id: 53259-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20255
CLSS: U
CORP: FEDERAL RADIATION COUNCIL
DATE: 6305
DESC: Nuclear RDT&E Research Program Descriptions biomedical L1
DESC: Nuclear Weapon Effects on animals ionizing radiation chronic
internal L5
DESC: Nuclear Weapon Environment Fallout isotope concentrations L1 SR-90
CS-137
DESC: Nuclear Weapon Environment fallout Deposition L1
DESC: SUMMARY
DESC: Nuclear Weapon Effects on plants ionizing radiation chronic uptake
L5 WHEAT
REPN: FRC 4
SUJO: 2-223-100 ; 2-225-000 ; 3-312-220 ; 3-332-220 ; 4-150-000
TITL: ESTIMATES AND EVALUATION OF FALLOUT IN THE UNITED STATES FROM
NUCLEAR WEAPONS TESTING CONDUCTED THROUGH 1962 (U), 25 P., (U)

.block
20255
.endblock

.block
copy: 1 id: 53260-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20268
AUTH: TODD D.K.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6402
DESC: Nuclear Energy Peaceful Applications resource production water L1
DESC: Environmental Impact Assessments EIS Supporting Data L5 WATER
RESOURCES FOR S. CALIF.
DESC: Nuclear Energy Peaceful Applications economic considerations L1
DESC: PLOWSHARE ; SUMMARY
REPN: UCRL 7850
SUJO: 3-483-300 ; 3-488-000 ; 4-870-200
TITL: ECONOMICS OF GROUND WATER RECHARGE BY NUCLEAR AND CONVENTIONAL MEANS
(U), 135 P., (U)

.block
20268
.endblock

.block
copy: 1 id: 53267-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20281
AUTH: GLORA M.A. ; BROWN B.L.
CLSS: U
CONN: AT (29 2) 162
CORP: REYNOLDS ELECTRICAL AND ENGINEERING CO., INC. (MERCURY, NV.)
DATE: 6408
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment fallout intensity contours patterns L1 PU
DESC: Nuclear Weapon Effects on plants ionizing radiation chronic uptake
L5
REPN: NVO 162 17
SHOT: DOUBLE TRACKS ; CLEAN SLATE 1 ; CLEAN SLATE 2 ; CLEAN SLATE 3
SUJO: 2-225-100 ; 3-332-220
TITL: PROJECT ROLLER COASTER; QUARTERLY RESURVEY JUNE U964 (U), 10 P., (U)

.block

20281

.endblock

.block

copy: 1 id: 53279-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20342
AUTH: STEPHENS D.R.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6311
DESC: EXPERIMENTAL
DESC: Soil Rock Properties Equation of State Conductivity L1 NTS GRANITE
BASALT TUFF DOLOMITE INDIANA LIMESTONE SALT
REPN: UCRL 7605
SUJO: 6-300-000
TITL: HIGH TEMPERATURE THERMAL CONDUCTIVITY OF SIX ROCKS (U), 15 P., (U)

.block

20342

.endblock

.block

copy: 1 id: 53331-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20343
AUTH: HANSEN S.M. ; NORDYKE M.D. ; RAWSON D.E. ; SHERMAN W.C. ; SPRUILL
J.L. ; STEINRIEDE W.L. ; TOMAN J.
CLSS: U
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6403
DESC: Nuclear Weapon Environment Ground Shock craters excavations L1
DESC: SUMMARY
REPN: UCRL 7750

SUJO: 2-625-000
TITL: RECOMMENDED CRATER NOMENCLATURE (U), 3 P., (U)

.block
20343

.endblock

.block

copy: 1 id: 53332-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20352
AUTH: ALLEN F.J. ; FUTTERER A.T. ; WRIGHT W.
CLSS: U
CORP: ARMY BALLISTIC RESEARCH LABS. (ABERDEEN PROVING GROUND, MD.)
DATE: 6301
DESC: Soil Rock Properties Equation of State Conductivity L1
DESC: Radiation Transport neutron L1
DESC: TABULAR
DESC: Cross Sections neutron L1
EFFT: NEUTRON
REPN: BRL R 1190
TSHO: LOW-ALT
SUJO: 6-300-000 ; 9-650-000 ; 9-820-000
TITL: NEUTRON REFLECTION AND FLUX VERSUS DEPTH FOR NEVADA TEST SITE SOIL
(U), 255 P., (U)

TREE: 970

.block

20352

.endblock

.block

copy: 1 id: 53340-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20387
AUTH: RAMANTSEV E.F.
CLSS: U
CORP: ATOMIC ENERGY COMMISSION
DATE: 6300
DESC: Nuclear Weapon Effects on animals ionizing radiation prompt L1
DESC: SUMMARY
REPN: AEC TR 6258
SUJO: 3-312-100
TITL: RADIATION AND CHEMICAL PROTECTION (U), 245 P., (U)

.block

20387

.endblock

.block

copy: 1 id: 53368-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20446
AUTH: VERNOV S.N. ; SAVENKO I.A. ; SHAVRIN P.I. ; NESTEROV V.E. ;
PISARENKO N.F. ; SHARVINA K.N.
CLSS: U
CORP: ACADEMY OF SCIENCES OF THE USSR (MOSCOW)
DATE: 6400
DESC: Magnetic Fields Electric Currents in the Upper Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L1 COSMOS SATELLITE
DESC: EXPERIMENTAL
LA: USSR
SHOT: STARFISH
TSHO: HI-ALT
SUJO: 5-800-000
TITL: INVESTIGATION OF THE EARTH'S RADIATION BELTS IN THE REGION OF THE
BRAZILIAN MAGNETIC ANOMALY AT ALTITUDES OF 200-400 KM (U), 16 P.,
(U)

.block

20446

.endblock

.block

copy: 1 id: 53424-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20547
AUTH: LAUMETS E.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6307
DESC: Soil Rock Properties Equation of State Conductivity L1 PREDICT
SOIL-MOISTURE TO PREDICT NEUTRON PENETRATION AND THUS SUBSEQUENT
GAMMA INTENSITY
DESC: EXPERIMENTAL
REPN: NRDL TR 662
SUJO: 6-300-000
TITL: SOIL-MOISTURE PREDICTION METHOD FOR NRDL INDUCED-ACTIVITY PREDICTION
SYSTEM (U), 53 P., (U)

.block

20547

.endblock

.block

copy: 1 id: 53504-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20558
AUTH: MCGIBONY J.T. ; FITZPATRICK J.C.
CLSS: U
CORP: ARMY MEDICAL FIELD SERVICE SCHOOL (FT. SAM HOUSTON, TX.)
DATE: 6401
DESC: Civil Defense transattack measures medical treatment L1
DESC: Nuclear Weapon Effects on animals ionizing radiation L1

DESC: Nuclear Weapon Effects on animals thermal L1
DESC: Nuclear Weapon Effects on animals blast shock L1
DESC: SUMMARY
EFFT: GAMMA ; THERMAL ; AIR-BLAST
SUJO: 3-311-000 ; 3-312-000 ; 3-313-000 ; 3-476-200
TITL: SYMPOSIUM ON THE MANAGEMENT OF MASS CASUALTIES (U), 524 P., (U)

.block

20558

.endblock

.block

copy: 1 id: 53514-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20584

AUTH: WEST H.I.JR. ; MANN L.G. ; BLOOM S.D.

CLSS: U

CONN: W 7405 ENG 48

CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)

DATE: 6404

DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1

DESC: EXPERIMENTAL

REPN: UCRL 7659

SHOT: STARFISH

TSHO: HI-ALT

SUJO: 2-213-000

TITL: SOME ELECTRON SPECTRA IN THE RADIATION BELTS IN THE FALL OF 1962
(U), 38 P., (U)

.block

20584

.endblock

.block

copy: 1 id: 53538-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20586

AUTH: ROBINSON M.N.

CLSS: U

CONN: AT (11 1) GEN 8

CORP: ATOMICS INTERNATIONAL (CANOGA PARK, CA.)

DATE: 6412

DESC: Nuclear Energy Power Nuclear Materials propulsion space L5 SNAP
ELECTRONICS

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 STEADY STATE RADIATION

EFFT: NEUTRON ; GAMMA

REPN: NAA SR 9684

SUJO: 3-221-000 ; 3-512-100

TITL: LOW-FLUX NUCLEAR RADIATION EFFECTS ON SEMICONDUCTOR DEVICES

(BMI-LF-1) (U), 200 P., (U)

TREE: 310

.block

20586

.endblock

.block

copy: 1 id: 53540-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20599

AUTH: FRANK L.A. ; VAN ALLEN J.A. ; HILLS H.K.

CLSS: U

CORP: STATE UNIVERSITY OF IOWA (IOWA CITY, IA.)

DATE: 6401

DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1

DESC: EXPERIMENTAL

REPN: SUI 64 1

TSHO: HI-ALT

SUJO: 2-213-000

TITL: EXPERIMENTAL STUDY OF CHARGED PARTICLES IN THE OUTER RADIATION ZONE
(U), 45 P., (U)

.block

20599

.endblock

.block

copy: 1 id: 53553-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20600

AUTH: WEST H.IJR. ; MANN L.G. ; BLOOM S.D.

CLSS: U

CONN: W 7405 ENG 48

CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)

DATE: 6304

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1

DESC: Nuclear Weapon Phenomenology High-Altitude injection trapping L1

REPN: UCRL 7309 REV. I

SHOT: RUSSIAN (62-10-28) ; STARFISH

TSHO: HI-ALT

SUJO: 2-213-000 ; 2-217-000

TITL: SPECTRA AND FLUXES OF ELECTRONS TRAPPED IN THE EARTH'S MAGNETIC
FIELD FOLLOWING RECENT HIGH ALTITUDE NUCLEAR BURSTS (U), 26 P., (U)

.block

20600

.endblock

.block

copy: 1 id: 53554-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20657
AUTH: MEDVEDEV Y.A.
CLSS: U
DATE: 6310
DESC: THEORY SUMMARY
DESC: Nuclear Weapon Effects EM Propagation refraction multipath L1
LA: USSR
SUJO: 2-321-200
SYMJ: SOVIET PHYSICS-TECHNICAL PHYSICS, VOL. 9, NO. 6
TITL: RADIOWAVE SCATTERING OF LONG RANGE RADIATION IN AIR BY A POINT
SOURCE (U), 2 P., (U)

.block
20657
.endblock
.block

copy: 1 id: 53623-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20726
ABS: The simulation of a realistic fallout environment was required for the design of experiments to evaluate postnuclear attack reclamation equipment and procedures. A simplified mathematical fallout model was utilized to estimate fallout particle sizes, accumulated initial mass levels, and standard radiation intensities that might occur under specified conditions of weapon yield and downwind distance from a land surface nuclear detonation. Fallout particle size, deposited mass per unit area, and standard radiation intensity, as functions of downwind distance and weapon yields from 1 KT to 100 MT are presented graphically to facilitate rapid selection of simulated fallout environments. (auth) AIR; DIAGRAMS; EARTH; ENVIRONMENT; FALLOUT; GRAIN SIZE; MATHEMATICS; MOCKUP; NUCLEAR EXPLOSIONS; PARTICLES; PLANNING; PRECIPITATION; RADIATION DETECTORS; RADIATION DOSES; STANDARDS; SURFACES; USES;
ABS: WIND
AUTH: CLARK D.E.JR. ; COBBIN W.C.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6303
DESC: Nuclear Weapon Environment Fallout Particles size distribution L1
DESC: THEORY
DESC: Nuclear Weapon Environment fallout intensity contours patterns L1
REPN: NRDL TR 639
SUJO: 2-222-300 ; 2-225-100
TITL: SOME RELATIONSHIPS AMONG PARTICLE SIZE, MASS LEVEL AND RADIATION INTENSITY OF FALLOUT FROM A LAND SURFACE NUCLEAR DETONATION (U), 76 P., (U)

.block
20726

.endblock

.block

copy: 1 id: 53677-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20832
AUTH: LAUMETS E. ; TOMNOVEC F.M.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6407
DESC: Soil Rock Properties Equation of State Conductivity L1
DESC: Nuclear Weapon Environment Fallout Radioproperties L5
DESC: EXPERIMENTAL
REPN: NRDL TR 764
SUJO: 2-223-000 ; 6-300-000
TITL: SOIL INFORMATION SUPPLEMENTARY TO ENGINEER INTELLIGENCE NOTE NO. 32
ON A1, NA, AND MN CONTENTS FOR NRDL INDUCED-ACTIVITY PREDICTION
SYSTEM (U), 28 P., (U)

.block

20832

.endblock

.block

copy: 1 id: 53770-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 21188
CLSS: U
CONN: DA 36 039 AMC 00161(E)
CORP: IBM CORP., FEDERAL SYSTEMS DIV. (OWEGO, N.Y.)
DATE: 6300
DESC: SIMULATION (PULSED REACTOR) ; THEORY EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 CAPACITORS
EFFT: TREE
REPN: IBM 63 521 19
SUJO: 3-229-000
TITL: STUDY OF EFFECT OF HIGH-INTENSITY PULSED NUCLEAR RADIATION ON
ELECTRONIC PARTS AND MATERIALS (SCORRE); REPORT NO. 2, SECOND
QUARTERLY PROGRESS REPORT 1 MAY 1963 -31 JULY 1963 (U), 45 P., (U)
TREE: 370

.block

21188

.endblock

.block

copy: 1 id: 53999-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 21189

AUTH: OVERMYER R.F. ; POLL R.A. ; VAN LINT V.A.J.
CLSS: U
CONN: AF 04 (694) 239 ; 108387
CORP: GENERAL ATOMIC (SAN DIEGO, CA.)
DATE: 6307
DESC: SIMULATION (LINAC) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic subsystems recorders amplifiers L1
IDS MOD 2-19 AMPLIFIER
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 DIODES TRANSISTORS
DESC: test instruments test hardware impact impulse L1
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 CAPACITORS
DESC: Nuclear Weapon Effects electrical mechanical cables wires L5 CABLE
REPN: GA 4395 ; AVCO RAD SR 63 159
SUJO: 3-213-000 ; 3-221-000 ; 3-229-000 ; 3-231-000 ; 4-317-000
TITL: NUCLEAR RADIATION EFFECTS IN AN IMPACT DETECTOR, TRIGGER CIRCUIT,
AND DC AMPLIFIER (U), 78 P., (U)
TREE: 310 ; 370 ; 369 ; 390 ; 363

.block

21189

.endblock

.block

copy: 1 id: 54000-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 21200
CLSS: U
CONN: AF 33 (657) 7201
CORP: GENERAL DYNAMICS (FT. WORTH, TX.)
DATE: 6300
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 TRANSISTORS
DESC: Nuclear Weapon Effects electronic pieceparts materials basic
mechanisms L1 DIELECTRIC FLUIDS
DESC: test instruments test hardware pressure stress L1
DESC: test instruments nuclear radiation neutron L1
DESC: Radiation Transport neutron L1
DESC: Nuclear Weapon Effects materials plastics resins L1
DESC: Simulation Facilities Techniques nuclear radiation reactors isotopic
sources L1
DESC: Nuclear Weapon Effects materials fuels lubricants L1 LUBRICANT OILS
SOLID FILMS
DESC: SIMULATION (REACTOR) ; EXPERIMENTAL
DESC: Simulation Facilities Techniques nuclear radiation shielding
facilities L1
DESC: test instruments test hardware air motion drag flow L1
EFFT: TREE
REPN: NARF 63 9P ; FZK 9 191
SUJO: 3-220-200 ; 3-221-000 ; 3-238-000 ; 3-244-000 ; 4-241-000 ;
4-243-000 ; 4-311-000 ; 4-312-000 ; 4-342-000 ; 9-650-000
TITL: NARF FINAL PROGRESS REPORT; 1 OCTOBER 1962 THROUGH 30 SEPTEMBER 1963

(U),235 P., (U)

TREE: 310

.block

21200

.endblock

.block

copy: 1 id: 54009-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 21201

AUTH: CALME E.E. ; JORDAN J.D. ; MAIER R.J. ; PATTERSON W.J.

CLSS: U

CONN: DA 36 039 SC 90735

CORP: GENERAL ELECTRIC CO., TUBE DEPT. (OWENSBORO, KY.)

DATE: 6400

DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 VAC TUBES CAPACITORS

DESC: SIMULATION (REACTOR LINAC) ; EXPERIMENTAL SUMMARY

DESC: Nuclear Weapon Effects materials metals alloys L1 MO TI

SUJO: 3-229-000 ; 3-243-000

TITL: BASIC RADIATION EFFECTS MECHANISMS STUDY ON ELECTRON TUBES; REPORT
NO. 8, FINAL REPORT (U), 159 P., (U)

TREE: 305

.block

21201

.endblock

.block

copy: 1 id: 54010-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 21202

AUTH: HOPKINS G.R. ; WEIMAN A.L.A. ; WILLIS D.E.

CLSS: U

CONN: DA 36 039 SC 89196

CORP: GENERAL ATOMIC (SAN DIEGO, CA.)

DATE: 6303

DESC: SIMULATION (REACTOR LINAC)

DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 CABLES

REPN: GA 3858

SUJO: 3-231-000

TITL: TRANSIENT RADIATION EFFECTS ON ELECTRONIC PARTS; REPORT NO. 3, THIRD
QUARTERLY PROGRESS REPORT, OCTOBER 1, 1962 THROUGH DECEMBER 31, 1962
(U), 40 P., (U)

TREE: 390

.block

21202

.endblock

.block

copy: 1 id: 54011-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 21204
AUTH: VAN LINT V.A.J. ; KOTT B.E. ; WILLIS D.E. ; WEIMAN A.L.A.
CLSS: U
CONN: DA 36 039 SC 89196
CORP: GENERAL ATOMIC (SAN DIEGO, CA.)
DATE: 6406
DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 CABLES
DESC: SIMULATION (LINAC REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 CAPACITORS RESISTORS
EFFT: TREE
REPN: GA 5211
SUJO: 3-229-000 ; 3-231-000
TITL: TRANSIENT RADIATION EFFECTS ON ELECTRONIC PARTS; REPORT NO. 8,
EIGHTH QUARTERLY PROGRESS REPORT, JANUARY 1, 1964 THROUGH MARCH 31,
1964 (U), 45 P., (U)
TREE: 390 ; 370 ; 380

.block

21204

.endblock

.block

copy: 1 id: 54013-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 21208
AUTH: HOPKINS G.R. ; NICHOLS D.K. ; WEIMAN A.L.A. ; WILLIS D.E.
CLSS: U
CONN: DA 36 039 SC 89196
CORP: GENERAL ATOMIC (SAN DIEGO, CA.)
DATE: 6309
DESC: SIMULATION (LINAC) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
vacuum tubes dielectrics relays switches L1 CAPACITOR
DESC: Nuclear Weapon Effects electrical mechanical cables wires L1 CABLES
EFFT: TREE
REPN: GA 4444
SUJO: 3-229-000 ; 3-231-000
TITL: TRANSIENT RADIATION EFFECTS ON ELECTRONIC PARTS; REPORT NO. 5, FIFTH
QUARTERLY PROGRESS REPORT, APRIL 1, 1963 THROUGH JUNE 30, 1963 (U),
39 P., (U)
TREE: 390 ; 370

.block

21208

.endblock

.block

copy: 1 id: 54016-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 21582
ADNO: 450984
AUTH: REXROAD R.E. ; SCHMOKE M.A. ; MEREDITH J.L.
CLSS: U
CORP: ARMY NUCLEAR DEFENSE LAB. (EDGEWOOD ARSENAL, MD)
DATE: 6404
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects land transport armored vehicles L1
DESC: test instruments nuclear radiation gamma L1
EFFT: GAMMA
REPN: NDL TR 49
SUJO: 3-151-000 ; 4-341-000
TITL: EVALUATION OF INTERNAL RADIAC DETECTOR POSITIONS FOR AN M6/ TANK
(U), 50 P., (U)
TREE: 651
.block
21582
.endblock
.block
copy: 1 id: 54315-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22346
ABS: The contamination-decontamination behavior of four selected fission-product elements (ba, la, zr, and nb) on surface painted with standard Navy paints was studied. In a series of large-scale laboratory tests, a seawater contaminant simulating fallout from a megaton-range, ocean-surface burst was prepared and dispersed. The effects on the decontamination ratio of varying contamination and decontamination parameters were investigated. Contamination parameters included paint surface conditions (temperature, presence of stagnant surface moisture, use of a ship washdown system) and the total mass level deposited. Although tactical shipboard situations would require seawater to be used for decontamination, the laboratory decontamination equipment used in these tests did not permit extensive use of seawater. Therefore, decontamination parameters were investigated using fresh water.
ABS: They included the addition of surfactants (concentrations of 0.004 to 4_ by weight)? spraying with variable time (0 to 30 se), temperature (60 to 160 degrees F), and pressure (30 to 130 psig)? soaking for various time intervals (10 sec to 1 hour)? and time between contamination and decontamination. The effects of spray decontamination parameters were evaluated using a statistical treatment. Conclusions are? (1) la and nb are harder to remove than ba and zr. (2) adding complexing agents to fresh water spray during decontamination can decrease residual activity by as much as a factor of 10, if their concentration is greater than about 0.2 weight-percent. (3) detergents added during fresh water spray decontamination do not aid removal of these elements from painted surfaces. (4) removal is greatly reduced if the fallout does not dry quickly and remain dry on the painted surface.
ABS: (5) spray time, temperature, and pressure (over the ranges

investigated) have little effect on the amount of removal. Large differences in the removal of Ia in three separate tests were caused by variation in? (1) the total simulant salt concentration? (2) the partitioning of the fission product elements by the salts precipitated during simulant preparation and (3) the atmospheric conditions under which the contaminant dried on the painted samples. Small-scale tests were instituted to determine the magnitude of these effects.

AUTH: ANDERSON R.N. ; RAILEY R.M.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
DATE: 6408
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects ship systems surface ships L5
DESC: Nuclear Warfare Postattack Recovery decontamination L1
REPN: NRDL TR 830
SUJO: 3-122-000 ; 3-448-900
TITL: DECONTAMINATION OF SHIPS' PAINTED SURFACES; III,
CONTAMINATION-DECONTAMINATION BEHAVIOR OF LANTHANUM, BARIUM,
ZIRCONIUM, AND NIOBIUM IN SEAWATER FALLOUT (U), 156 P., (U)

TNFF: 6220

.block

22346

.endblock

.block

copy: 1 id: 54827-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22347

ADNO: 453455

AUTH: MATHER R.L.

CLSS: U

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)

DATE: 6411

DESC: Nuclear Weapon Environment Fallout gamma intensities spectra L1
INDUCED ACTIVITY

DESC: Nuclear Weapon Environment Prompt Neutron energy spectrum L5

DESC: THEORY

REPN: NRDL TR 795

SUJO: 1-120-000 ; 2-223-200

TITL: CALCULATIONS IN LA-2390 AND QUESTIONS ON THE PREDICTION OF WEAPON
NEUTRON FIELDS AND RESULTING INDUCED ACTIVITY (U), 20 P., (U)

.block

22347

.endblock

.block

copy: 1 id: 54828-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22348

ABS: A conventional motorized street flusher was evaluated as a suitable decontamination tool to be used in the operational recovery of extensive paved areas contaminated with fallout from a land-surface nuclear detonation. The selection of fallout parameters such as particle size and initial mass levels was based on a theoretical fallout model. The flusher nozzle orientation was adjusted for maximum decontamination effectiveness. This adjustment can be applied to any flusher to be used for similar purposes. Using a fixed set of flusher adjustments and constant-size test area, the effects of 4 particle size ranges, 3 mass levels, and 2 types of surfaces on removal effectiveness were determined.

ABS: The least effective removal by flushing (2.2 g/ft² residual mass) for a given expenditure of effort was obtained at high initial mass loadings (100 to 600 g/ft²) on asphalt surface using small particles (44-88 and 88-177 μ). The best removal effectiveness by flushing (0.06 g/ft² residual mass) for the same expenditure of effort was obtained using low initial mass loading (20 g/ft²) on concrete surface with 350 to 700 particle sizes. A majority of the tests conducted were in agreement with previously developed theoretical equations describing decontamination in terms of residual mass as a function of expended effort.

AUTH: CLARK D.E. JR. ; COBBIN W.C.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
DATE: 6406
DESC: Nuclear Warfare Postattack Recovery decontamination L1
DESC: EXPERIMENTAL
DESC: Nuclear Warfare Postattack Recovery cities L1
REPN: NRDL TR 797
SUJO: 3-443-000 ; 3-448-900
TITL: REMOVAL OF SIMULATED FALLOUT FROM PAVEMENTS BY CONVENTIONAL STREET
FLUSHERS (U), 80 P., (U)
TNFF: 6220
.block
22348
.endblock
.block
copy: 1 id: 54829-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22349
AUTH: MOSTOW W. ; SHAPIRO E.S. ; CASSIDY S.H.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
DATE: 6412
DESC: Nuclear Weapon Effects on animals blast shock L5
DESC: Nuclear Warfare Target Analysis general models L1
DESC: THEORY
DESC: Nuclear Weapon Effects on animals ionizing radiation L5
REPN: NRDL TR 801
SHOT: HIROSHIMA ; NAGASAKI
SUJO: 3-311-000 ; 3-312-000 ; 3-430-100

TITL: METHODOLOGY FOR STUDYING TARGET RESPONSE TO NUCLEAR ATTACK (U), 40 P., (U)

.block

22349

.endblock

.block

copy: 1 id: 54830-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22350

ADNO: 452954

AUTH: MINVIELLE L.

CLSS: U

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)

DATE: 6410

DESC: Nuclear Warfare Postattack Recovery industry L1

DESC: Nuclear Warfare Postattack Recovery civilians population L1

DESC: SUMMARY THEORY

DESC: Nuclear Warfare Postattack Recovery military L1

REPN: NRDL TR 788

SUJO: 3-441-000 ; 3-442-000 ; 3-444-000

TITL: PRELIMINARY OPTIMIZATION TECHNIQUE FOR DETERMINING THE EARLIEST RADIOLOGICAL RECOVERY TIME FOR AN INDUSTRIAL OR MILITARY FACILITY (U), 35 P., (U)

.block

22350

.endblock

.block

copy: 1 id: 54831-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22351

AUTH: TOMOEDA S. ; FRANK A.L. ; HASTINGS M.B.

CLSS: U

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)

DATE: 6310

DESC: Simulation Facilities Techniques nuclear radiation fallout simulation L1

DESC: THEORY EXPERIMENTAL

DESC: Cross Sections x-ray L1

DESC: Nuclear Weapon Effects ship systems surface ships L5 AIRCRAFT CARRIER

DESC: Cross Sections gamma L1

EFFT: GAMMA

REPN: NRDL TR 681

SUJO: 3-122-000 ; 4-242-000 ; 9-830-000 ; 9-840-000

TITL: EFFECT OF SOURCE DISTANCE ON BUILDUP FACTOR FOR GAMMA RAYS PENETRATING INTO A COMPARTMENTED STRUCTURE (U), 38 P., (U)

TREE:

.block

22351
.endblock
.block
copy: 1 id: 54832-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22352
AUTH: CROCKER G.R.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
DATE: 6304
DESC: Nuclear Weapon Environment Fallout isotope concentrations L1 U-238
FISSION YIELDS
DESC: EXPERIMENTAL
DESC: Nuclear Physics Chemistry L1
REPN: NRDL TR 642
SUJO: 2-223-100 ; 9-010-000
TITL: ESTIMATES OF FISSION PRODUCT YIELDS OF A THERMONUCLEAR EXPLOSION
(U), 25 P., (U)

.block
22352
.endblock
.block
copy: 1 id: 54833-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22353
AUTH: MINVIELLE L. ; VAN HORN W.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
DATE: 6306
DESC: SUMMARY
DESC: Nuclear Warfare Postattack Recovery industry L1
EFFT: FALLOUT
REPN: NRDL TR 656
SUJO: 3-444-000
TITL: RECOVERY OF PETROLEUM REFINERIES CONTAMINATED BY FALLOUT (U), 140
P., (U)

.block
22353
.endblock
.block
copy: 1 id: 54834-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22355
AUTH: FERGUSON J.M.
CLSS: U

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
DATE: 6305
DESC: Nuclear Weapon Environment fallout Deposition topographic factors
vegetation surface roughness L1
DESC: EXPERIMENTAL
REPN: NRDL TR 645
SUJO: 2-225-600
TTTL: GROUND ROUGHNESS EFFECTS FOR FALLOUT-CONTAMINATED TERRAIN;
COMPARISON OF MEASUREMENTS AND CALCULATIONS (U), 25 P., (U)

.block

22355

.endblock

.block

copy: 1 id: 54836-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22362
AUTH: MILLER W.G. ; SHUMWAY B.W. ; TOMOEDA S. ; PLUMMER G.E. ; HASTINGS
M.B.

CLSS: U

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)

DATE: 6402

DESC: Nuclear Weapon Effects ship systems surface ships L1

DESC: SIMULATION (CO-60) ; EXPERIMENTAL

EFFT: GAMMA

REPN: NRDL TR 728

SUJO: 3-122-000

TTTL: GAMMA-RAY PENETRATION EXPERIMENTS FOR A DESTROYER EXPOSED TO A
DISTANT SOURCE, DATA REPORT (U), 31 P., (U)

.block


22362

.endblock

.block

copy: 1 id: 54859-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22418
AUTH: SANDMEIER H.A. ; WAGNER R.T.
CLSS: SRD
CONN: W 7405 ENG 36
CORP: LOS ALAMOS SCIENTIFIC LAB. (LOS ALAMOS, NM)
DATE: 6402
DESC: Nuclear weapon test device physical operation construction geometry
materials components L1
DESC: Radiation Transport neutron L5
DESC: Nuclear Weapon Effects ordnance bombs mines warheads nuclear L1
EFFT: NEUTRON
REPN: LA 3005
SOCE: 
SUJO: 3-161-100 ; 4-836-000 ; 9-650-000

SYST: SPRINT ; NIKE ZEUS
TEMP: A8787
TITL: NEUTRON VULNERABILITY OF NUCLEAR WEAPONS FROM A NUCLEAR EXPLOSION
(U), 91 P., (SRD)

.block
22418
.endblock

.block
copy: 1 id: 54910-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22442
AUTH: RINNERT H.R.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
DATE: 6401
DESC: THEORY EXPERIMENTAL
DESC: test instruments nuclear radiation gamma L1
REPN: NRDL TR 719
SUJO: 4-341-000
TITL: ESTIMATES OF RADIATION GEOMETRY AND ENERGY RESPONSES FOR THE USNRDL
"MODEL 1954-56" GAMMA-INTENSITY-TIME RECORDER (GITR) (U), 100 P.,
(U)

TREE: 651
.block
22442
.endblock
.block

copy: 1 id: 54934-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22444
ADNO: A955339
AUTH: VAN ALLEN J.A.
CLSS: U
CORP: STATE UNIVERSITY OF IOWA (IOWA CITY, IA)
DATE: 6311
DESC: Nuclear Weapon Phenomenology High-Altitude injection trapping L1
DESC: EXPERIMENTAL
REPN: SUI 63 37
SHOT: STARFISH
TSHO: HI-ALT
SUJO: 2-217-000
TITL: FURTHER OBSERVATIONS ON THE STARFISH AND SOVIET ARTIFICIAL RADIATION
BELTS (U), CA. 50 P., (U)

.block
22444
.endblock
.block

copy: 1 id: 54936-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22452
AUTH: HUEBSCH I.O.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
DATE: 6310
DESC: Nuclear Weapon Effects ship systems surface ships L1
DESC: THEORY CODE
DESC: Cross Sections gamma L1
EFFT: GAMMA
REPN: NRDL TR 685
SHOT: FALLOUT RADIATION DOSE (NRDL)
SUJO: 3-122-000 ; 9-830-000
TITL: METHOD OF CALCULATING TRANSIT AND DEPOSIT-RADIATION DOSE RATES AND
DOSES FOR A SHIP MOVING IN A FALLOUT FIELD (U), 54 P., (U)

.block
22452
.endblock
.block

copy: 1 id: 54974-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22505
AUTH: HART J.A. JR. ; HARRISON G.R.
CLSS: U
CONN: DA 36 039 SC 89113
CORP: SPERRY MICROWAVE ELECTRONICS CO. (CLEARWATER, FL)
DATE: 6311
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects Communications Systems C4 hardware radio
microwave systems L1
EFFT: TREE
REPN: SJ 222 0041 6
SUJO: 3-132-220
TITL: STUDY OF PULSED RADIATION EFFECTS ON MICROWAVE FERRITE DUPLEXERS;
SIXTH QUARTERLY REPORT (U), CA. 50 P., (U)
TREE: 386

.block
22505
.endblock
.block

copy: 1 id: 55033-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22558
CLSS: U
CONN: NAS 5 3058

CORP: BELL TELEPHONE LABS. (WHIPPANY, NJ)
DATE: 6406
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1
DESC: Nuclear Weapon Phenomenology High-Altitude injection trapping L1
DESC: test instruments nuclear radiation beta electron beams L1
DESC: EXPERIMENTAL
REPN: N65 34401
TSHO: HI-ALT
SUJO: 2-213-000 ; 2-217-000 ; 4-344-000
TITL: EXPERIMENTS ON EXPLORER XV, PROJECT SERB (STUDY ON THE ENHANCED
RADIATION BELTS) (U), 59 P., (U)

.block

22558

.endblock

.block

copy: 1 id: 55080-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22583
AUTH: GOODALE T.C. ; HAWKINS M.B. ; WILLOUGHBY A.B.
CLSS: U
CONN: OCD OS 62 242
CORP: UNITED RESEARCH SERVICES (BURLINGAME, CA)
DATE: 6307
DESC: thermal protection L1 COST INFORMATION
DESC: THEORY
REPN: URS 617 4
SUJO: 9-870-000
TITL: FEASIBILITY OF ACTIVE COUNTERMEASURES FOR THERMAL RADIATION EFFECTS
OF NUCLEAR WEAPONS (U), 175 P., (U)

.block

22583

.endblock

.block

copy: 1 id: 55103-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22680
AUTH: STEIN H.J.
CLSS: U
CORP: SANDIA CORP.
DATE: 6407
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1 P-TYPE SILICON
DESC: EXPERIMENTAL
EFFT: NEUTRON
REPN: SC R 64 193
SUJO: 3-221-000
TITL: INTRODUCTION RATE OF ELECTRICALLY ACTIVE DEFECTS IN SILICON BY

NUCLEAR RADIATION (U), 10 P., (U)

TREE: 200

.block

22680

.endblock

.block

copy: 1 id: 55184-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22762

ABS: Downwind fallout patterns have two extremes, one narrow and one broad, encountered in post shot alpha radiac surveys. If one accepts a contamination level of 100,000 alpha CPM per 60 cm2 of probe area as being of immediate concern for rapid delineation, Roller Coaster surveys indicate that this will fall within 3,000 feet in the downwind direction. Opposed to this is the fact that the ability to detect alpha contamination at a level of about 100 alpha cmp per 60 cm2 was demonstrated as far as the array of monitoring stations extended. That is, contamination was evident at least as far as 10 miles downwind.

CLSS: U

CORP: DEFENSE ATOMIC SUPPORT AGENCY

DATE: 6404

DESC: Nuclear weapon safety radiological L1

DESC: SUMMARY

SUJO: 4-838-100

TITL: OPERATION ROLLER COASTER; APRIL 1964 CONFERENCE DATA PRESENTATION
AND EVALUATION (U), 593 P., (U)

TNFF: 8859

.block

22762

.endblock

.block

copy: 1 id: 55308-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22762-001

AUTH: JOHNSON W.S.

CLSS: U

CORP: EBERLINE INSTRUMENT CORP. (SANTA FE, NM)

DATE: 6404

DESC: test instruments nuclear radiation proton alpha heavy particle L1

DESC: EXPERIMENTAL

DESC: Nuclear weapon safety radiological L1

SHOT: CLEAN SLATE 1 ; CLEAN SLATE 3 ; DOUBLE TRACKS

SUJO: 4-343-000 ; 4-838-100

SYMJ: OPERATION ROLLER COASTER; APRIL 1964 CONFERENCE DATA PRESENTATION
AND EVALUATION

TITL: OPERATION ROLLER COASTER PROJECTS 2.1 AND 2.5 REVIEW (U), 18 P., (U)

.block

22762-001

.endblock

.block

copy: 1 id: 55309-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22762-019

CLSS: U

DATE: 6404

DESC: Nuclear weapon safety radiological L1

SHOT: CLEAN SLATE 2 ; CLEAN SLATE 2 ; CLEAN SLATE 3 ; DOUBLE TRACKS

SUJO: 4-838-100

SYMJ: OPERATION ROLLER COASTER; APRIL 1964 CONFERENCE DATA PRESENTATION
AND EVALUATION

TITL: OPERATION ROLLER COASTER PROJECT 2.3 FALLOUT SAMPLE COLLECTION (U),
37 P., (U)

.block

22762-019

.endblock

.block

copy: 1 id: 55310-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22762-056

AUTH: FULLER R.K.

CLSS: U

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)

DATE: 6404

DESC: Nuclear weapon safety radiological L1

DESC: EXPERIMENTAL

SUJO: 4-838-100

SYMJ: OPERATION ROLLER COASTER; APRIL 1964 CONFERENCE DATA PRESENTATION
AND EVALUATION

TITL: OPERATION ROLLER COASTER; SPECIAL PARTICULATE CHARACTERISTICS (U),
69 P., (U)

.block

22762-056

.endblock

.block

copy: 1 id: 55311-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22762-129

AUTH: BUCK F.N.

CLSS: U

CORP: PUBLIC HEALTH SERVICE (LAS VEGAS, NV)

DATE: 6404

DESC: Nuclear weapon safety radiological L1

DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment fallout intensity contours patterns L5
SUJO: 2-225-100 ; 4-838-100
SYMJ: OPERATION ROLLER COASTER; APRIL 1964 CONFERENCE DATA PRESENTATION
AND EVALUATION
TITL: SUMMARY OF DATA COLLECTED IN OFF SITE POPULATED AREAS DURING THE
PROJECT ROLLER COASTER EVENTS (U), 2 P., (U)

.block
22762-129

.endblock

.block

copy: 1 id: 55312-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22762-146
AUTH: BAIETTI A.L.
CLSS: U
CORP: TRACERLAB (RICHMOND, CA)
DATE: 6404
DESC: Nuclear RDT&E Research Program Descriptions fallout nuclear
radiation transport L5
DESC: EXPERIMENTAL
DESC: Nuclear weapon safety radiological L1
SUJO: 4-140-000 ; 4-838-100
SYMJ: OPERATION ROLLER COASTER; APRIL 1964 CONFERENCE DATA PRESENTATION
AND EVALUATION
TITL: SAMPLE PROCESSING FACILITY (PROJECT 5.1A); OPERATION ROLLER COASTER
(U), 55 P., (U)

.block
22762-146

.endblock

.block

copy: 1 id: 55313-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22762-202
AUTH: BAIETTI A.L.
CLSS: U
CORP: TRACERLAB (RICHMOND, CA)
DATE: 6404
DESC: Nuclear weapon safety radiological L1
DESC: EXPERIMENTAL
SUJO: 4-838-100
SYMJ: OPERATION ROLLER COASTER; APRIL 1964 CONFERENCE DATA PRESENTATION
AND EVALUATION
TITL: STICKY WIRE EVALUATION (PROJECT 5.1B); OPERATION ROLLER COASTER (U),
16 P., (U)

.block
22762-202

.endblock

.block
copy: 1 id: 55314-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22762-219
AUTH: BENTLEY J.C.
CLSS: U
CORP: EBERLINE INSTRUMENT CORP. (SANTA FE, NM)
DATE: 6404
DESC: Nuclear Warfare Postattack Recovery decontamination L1
DESC: EXPERIMENTAL
DESC: Nuclear weapon safety radiological L1
SUJO: 3-448-900 ; 4-838-100
SYMJ: OPERATION ROLLER COASTER; APRIL 1964 CONFERENCE DATA PRESENTATION
AND EVALUATION
TITL: ROLLER COASTER FOLLOW-ON PLUTONIUM SCAVENGING (U), 42 P., (U)

.block
22762-219

.endblock
.block
copy: 1 id: 55315-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22762-262
AUTH: COUCHMAN J.C.
CLSS: U
CORP: GENERAL DYNAMICS (FT. WORTH, TX)
DATE: 6404
DESC: Nuclear weapon safety radiological L1
DESC: EXPERIMENTAL
DESC: test instruments nuclear radiation fallout debris sampling
collectors L1
SUJO: 4-345-000 ; 4-838-100
SYMJ: OPERATION ROLLER COASTER; APRIL 1964 CONFERENCE DATA PRESENTATION
AND EVALUATION
TITL: CALIBRATION OF CASCADE IMPACTORS; OPERATION ROLLER COASTER (U), 15
P., (U) 15 P., (U)

.block
22762-262

.endblock
.block
copy: 1 id: 55316-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22762-278
AUTH: GALLAGHER R.
CLSS: U
CORP: EBERLINE INSTRUMENT CORP. (SANTA FE, NM)

DATE: 6404
DESC: Nuclear weapon safety radiological L1
DESC: EXPERIMENTAL
SUJO: 4-838-100
SYMJ: OPERATION ROLLER COASTER; APRIL 1964 CONFERENCE DATA PRESENTATION
AND EVALUATION
TITL: SOIL BELT SAMPLE RECONSTITUTION; OPERATION ROLLER COASTER (U), 8 P.,
(U)

.block

22762-278

.endblock

.block

copy: 1 id: 55317-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22762-289
AUTH: MILLIGAN M.F.
CLSS: U
CORP: LOS ALAMOS SCIENTIFIC LAB. (LOS ALAMOS, NM)
DATE: 6404
DESC: Nuclear weapon safety radiological L1
DESC: EXPERIMENTAL
SUJO: 4-838-100
SYMJ: OPERATION ROLLER COASTER; APRIL 1964 CONFERENCE DATA PRESENTATION
AND EVALUATION
TITL: ROLLER COASTER REFEREE TEAM ACTIVITIES (U), 8 P., (U)

.block

22762-289

.endblock

.block

copy: 1 id: 55318-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22762-297
AUTH: MYERS D.J.
CLSS: U
CORP: DEFENSE NUCLEAR AGENCY FIELD COMMAND (SANDIA BASE, NM)
DATE: 6404
DESC: EXPERIMENTAL
DESC: Nuclear weapon safety radiological L1
DESC: Nuclear Weapon Environment fallout intensity contours patterns L1
DESC: Nuclear RDT&E Research Program Descriptions fallout nuclear
radiation transport L1
SHOT: CLEAN SLATE 1 ; CLEAN SLATE 2 ; CLEAN SLATE 3 ; DOUBLE TRACKS
SUJO: 2-225-100 ; 4-140-000 ; 4-838-100
SYMJ: OPERATION ROLLER COASTER; APRIL 1964 CONFERENCE DATA PRESENTATION
AND EVALUATION
TITL: ROLLER COASTER SAMPLES SELECTED FOR LABORATORY ANALYSIS; PROGRAM 2
AND 5 ACTIVITIES (U), 29 P., (U)

.block

22762-297

.endblock

.block

copy: 1 id: 55319-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22762-327

CLSS: U

CONN: DA 49 146 XZ 265

CORP: HAZLETON-NUCLEAR SCIENCE CORP. (PALO ALTO, CA)

DATE: 6404

DESC: EXPERIMENTAL TABULAR

DESC: Nuclear weapon safety radiological L1

DESC: Nuclear Weapon Effects on animals ionizing radiation chronic
internal L5 PU

SUJO: 3-312-220 ; 4-838-100

SYMJ: OPERATION ROLLER COASTER; APRIL 1964 CONFERENCE DATA PRESENTATION
AND EVALUATION

TITL: STATUS REPORT OF RADIOCHEMISTRY PROJECT 5.A/5.3A FOR DEFENSE ATOMIC
SUPPORT AGENCY; OPERATION ROLLER COASTER (U), 55 P., (U)

.block

22762-327

.endblock

.block

copy: 1 id: 55320-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22762-383

AUTH: MAJOR W.J.

CLSS: U

CONN: DA 49 146 XA U92

CORP: TRACERLAB (RICHMOND, CA)

DATE: 6404

DESC: Nuclear weapon safety radiological L1

DESC: EXPERIMENTAL TABULAR

DESC: Nuclear Weapon Effects on animals ionizing radiation chronic
internal L5 PU

SUJO: 3-312-220 ; 4-838-100

SYMJ: OPERATION ROLLER COASTER; APRIL 1964 CONFERENCE DATA PRESENTATION
AND EVALUATION

TITL: RADIOBIOLOGICAL, RADIOCHEMICAL AND PHYSIOCHEMICAL ANALYSES;
OPERATION ROLLER COASTER, PROJECT 5.2/5.3B (U), 48 P., (U)

.block

22762-383

.endblock

.block

copy: 1 id: 55321-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22762-443
AUTH: FRIED R.
CLSS: U
CORP: ISOTOPES, INC. (WESTWOOD, NJ)
DATE: 6404
DESC: Nuclear weapon safety radiological L1
DESC: EXPERIMENTAL
SUJO: 4-838-100
SYMJ: OPERATION ROLLER COASTER; APRIL 1964 CONFERENCE DATA PRESENTATION
AND EVALUATION
TTTL: RADIOCHEMICAL ANALYSIS; OPERATION ROLLER COASTER (U), 10 P., (U)

.block

22762-443

.endblock

.block

copy: 1 id: 55322-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22762-453
AUTH: SHERWOOD R.D.
CLSS: U
CORP: ISOTOPES, INC. (WESTWOOD, NJ)
DATE: 6404
DESC: EXPERIMENTAL
DESC: Nuclear weapon safety radiological L1
SUJO: 4-838-100
SYMJ: OPERATION ROLLER COASTER; APRIL 1964 CONFERENCE DATA PRESENTATION
AND EVALUATION
TTTL: SPECIAL PARTICULATE ANALYSIS; OPERATION ROLLER COASTER (U), 22 P.,
(U)

.block

22762-453

.endblock

.block

copy: 1 id: 55323-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22762-476
AUTH: DUNN C.D.
CLSS: U
CORP: TRACERLAB, INC. (RICHMOND, VA)
DATE: 6404
DESC: EXPERIMENTAL
DESC: Nuclear weapon safety radiological L1
SUJO: 4-838-100
SYMJ: OPERATION ROLLER COASTER; APRIL 1964 CONFERENCE DATA PRESENTATION
AND EVALUATION
TTTL: SPECIAL PARTICULATE ANALYSIS; OPERATION ROLLER COASTER, PROJECT 2.6C
(U), 14 P., (U)

.block

22762-476

.endblock

.block

copy: 1 id: 55324-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22762-491

AUTH: PERRY J.K.

CLSS: U

CORP: COLORADO SCHOOL OF MINES RESEARCH FOUNDATION (GOLDEN, CO)

DATE: 6404

DESC: EXPERIMENTAL

DESC: Nuclear weapon safety radiological L1

SUJO: 4-838-100

SYMJ: OPERATION ROLLER COASTER; APRIL 1964 CONFERENCE DATA PRESENTATION
AND EVALUATION

TITL: SOIL PARTICULATE, SUMMARY OF OBJECTIVES AND PROGRESS TO DATE;
OPERATION ROLLER COASTER (U), 35 P., (U)

.block

22762-491

.endblock

.block

copy: 1 id: 55325-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22762-527

AUTH: KLEINJOHN P.

CLSS: U

CORP: GENERAL DYNAMICS (FT. WORTH, TX)

DATE: 6404

DESC: Nuclear weapon safety radiological L1

DESC: EXPERIMENTAL

SUJO: 4-838-100

SYMJ: OPERATION ROLLER COASTER; APRIL 1964 CONFERENCE DATA PRESENTATION
AND EVALUATION

TITL: SCIENTIFIC DIRECTOR ACTIVITIES DATA LISTING FORMAT; OPERATION ROLLER
COASTER (U), 5 P., (U)

.block

22762-527

.endblock

.block

copy: 1 id: 55326-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22762-532

AUTH: COUCHMAN J.C.

CLSS: U

CORP: GENERAL DYNAMICS (FT. WORTH, TX)

DATE: 6404
DESC: Nuclear weapon safety radiological L1
DESC: EXPERIMENTAL
SHOT: CLEAN SLATE 1 ; CLEAN SLATE 2 ; CLEAN SLATE 3 ; DOUBLE TRACKS
SUJO: 4-838-100
SYMJ: OPERATION ROLLER COASTER; APRIL 1964 CONFERENCE DATA PRESENTATION
AND EVALUATION
TITL: DATA INTERPRETATION; OPERATON ROLLER COASTER (U), 4 P., (U)

.block

22762-532

.endblock

.block

copy: 1 id: 55327-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22762-537
AUTH: CHURCH H.W.
CLSS: U
CORP: SANDIA CORP. (SANDIA BASE, NM)
DATE: 6404
DESC: Nuclear weapon safety radiological L1
DESC: Environmental Conditions at Nuclear Weapon Test Site weather L1
DESC: Nuclear Weapon Phenomenology cloud development rise L5
DESC: EXPERIMENTAL
SHOT: CLEAN SLATE 1 ; CLEAN SLATE 2 ; CLEAN SLATE 3 ; DOUBLE TRACKS
SUJO: 2-224-100 ; 4-838-100 ; 4-841-000
SYMJ: OPERATION ROLLER COASTER; APRIL 1964 CONFERENCE DATA PRESENTATION
AND EVALUATION
TITL: SCIENTIFIC DIRECTOR ACTIVITIES MICROMETEOROLOGICAL DATA; OPERATION
ROLLER COASTER (U), 45 P., (U)

.block

22762-537

.endblock

.block

copy: 1 id: 55328-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22785
AUTH: FREILING E.C.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
DATE: 6309
DESC: Nuclear Weapon Environment Fallout Particles size distribution L1
DESC: THEORY
DESC: Nuclear Weapon Environment fallout fractionation L1
REPN: NRDL TR 680
TSHO: SURFACE ; LOW-ALT
SUJO: 2-222-300 ; 2-223-500
TITL: FRACTIONATION III; ESTIMATION OF DEGREE OF FRACTIONATION AND
RADIONUCLIDE PARTITION FOR NUCLEAR DEBRIS (U), 40 P., (U)

.block

22785

.endblock

.block

copy: 1 id: 55353-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 23112

ADNO: 340289

CLSS: C

CONN: AF 33 (657) 9712

CORP: E.H. SMITH AND COMPANY, INC. (SILVER SPRING, MD)

DATE: 6308

DESC: Nuclear Weapon Effects on animals integrated effects L1 BLAST AND
RADIATION

DESC: Nuclear Weapon Effects structures aboveground cities L1 BLAST TABLE
OF US TORNADO DISASTERS APNDX A

DESC: Nuclear Weapon Effects on animals blast shock pressure L1

DESC: Target Analysis civilians population at risk casualties L1

DESC: Nuclear Weapon Effects on animals ionizing radiation prompt L1

DESC: Nuclear Weapon Effects on animals blast shock translation L5

DESC: SUMMARY

DESC: Nuclear Weapon Effects structures aboveground buildings L1 BLAST

DESC: Nuclear Weapon Effects land transport armored vehicles L5 M-48 TANK

GAMMA AND NEUTRON SHIELDING

EFFT: GAMMA ; AIR-BLAST

SUJO: 3-151-000 ; 3-251-000 ; 3-252-000 ; 3-311-100 ; 3-311-200 ;
3-312-100 ; 3-315-000 ; 3-433-000

SYST: M-48 TANK

TEMP: B0363

TITL: NUCLEAR WEAPONS CASUALTIES -VULNERABILITY OF PERSONNEL TO COMBINED
EFFECTS (U), 190 P., (C)

.block

23112

.endblock

.block

copy: 1 id: 55650-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 23434

ADNO: 341368

AUTH: DAVIS L.W. ; SUMMERS D.L. ; JENKINS M.E. ; WALL F.J. ; BAKER W.L.

CLSS: CFRD

CONN: OCD OS 62 203

CORP: DIKEWOOD CORP. (ALBUQUERQUE, NM)

DATE: 6304

DESC: Nuclear Weapon Effects on animals ionizing radiation L1

DESC: Nuclear Weapon Effects on animals thermal L1

DESC: SCALING BASED ON JAPANESE, GERMAN, AND TEXAS CITY EXPERIENCE ;
SUMMARY

DESC: Nuclear Weapon Effects on animals blast shock L1
DESC: Nuclear Weapon Effects structures aboveground buildings L5
EFFT: GAMMA ; THERMAL ; AIR-BLAST
REPN: DC FR 1028
SHOT: HIROSHIMA ; NAGASAKI
TSHO: LOW-ALT
SUJO: 3-251-000 ; 3-311-000 ; 3-312-000 ; 3-313-000
TEMP: A9996
TITL: PREDICTION OF URBAN CASUALTIES FROM THE IMMEDIATE EFFECTS OF A
NUCLEAR ATTACK (U), 292 P., (CFRD)

.block
23434
.endblock

.block
copy: 1 id: 55922-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 24321
CLSS: C
CONN: N178 8083
CORP: FRANKLIN INSTITUTE (PHILADELPHIA, PA)
DATE: 6300
DESC: Nuclear weapon safety EM pickup EMR RF hazards L1
DESC: SURVEY
REPN: F B1982 SUPPL.
SUJO: 4-838-400
TEMP: B2413
TITL: SUPPLEMENT TO PROCEEDINGS OF SECOND HERO CONGRESS -1963 ON HAZARDS
OF ELECTROMAGNETIC RADIATION TO ORDNANCE (U), 170 P., (C)
TNFF: 8850

.block
24321
.endblock

.block
copy: 1 id: 56592-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 25439
AUTH: RAINEY S.C. ; SHNIDER R.W. ; HUEBSCH I.O.
CLSS: SRD
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
DATE: 6306
DESC: Nuclear Weapon Environment fallout intensity contours patterns L1
DESC: Nuclear Weapon Environment Thermal Output source strength total
intensity L1
REPN: NRDL LR 14
SHOT: SAILORS CHOICE ; BLUE MARLIN
TSHO: WATER-SURFACE ; UW
SUJO: 1-210-000 ; 2-225-100
TEMP: B3147

TITL: CLASSIFIED TITLE, 13 P., (SRD)

.block

25439

.endblock

.block

copy: 1 id: 57429-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 25441

AUTH: RAINEY S.C. ; RINNERT H.R. ; SHNIDER R.W. ; SCHUERT E.A.

CLSS: SRD

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)

DATE: 6405

DESC: Nuclear Weapon Environment fallout intensity contours patterns L1

COMMENTS ON A URS DRAFT

REPN: NRDL LR 56

TSHO: WATER-SURFACE ; UW

SUJO: 2-225-100

TEMP: B3135

TITL: REVIEW OF PREDICTIONS FOR OPERATION SPINDRIFT (U), 33 P., (SRD)

.block

25441

.endblock

.block

copy: 1 id: 57431-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 29420

AUTH: SHNIDER R.W.

CLSS: SRD

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)

DATE: 6409

DESC: Nuclear Weapon Phenomenology base surge L1

DESC: TABULAR

DESC: Nuclear Weapon Environment Fallout isotope concentrations L1

REPN: NRDL LR 70

SHOT: GIANT SQUID

TSHO: UW

SUJO: 2-223-100 ; 2-224-120

TEMP: B7730

TITL: PREDICTIONS OF IODINE-131 DEPOSITION FROM A LOW-YIELD UNDERWATER
NUCLEAR BURST (U), 5 P., (SRD)

.block

29420

.endblock

.block

copy: 1 id: 60426-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 30573

ABS: The purpose of Volume I is to furnish information and planning techniques which will enable civil defense planners to formulate and implant plans of action for operational recovery from nuclear attack in areas subject to radioactive fallout. The manual is written for municipal planners and engineers, and for special groups, such as medical doctors and radiation monitors, to whom individual chapters will be of particular value and interest.

ADNO: 603641

AUTH: CAMMARANO M.V. ; WHEELER C.H. JR.

CLSS: U

CONN: OCD 05 62 279

CORP: CURTISS-WRIGHT CORP. (CALDWELL, NJ)

DATE: 6405

DESC: SURVEY

DESC: Nuclear Warfare Postattack Recovery decontamination L1

SUJO: 3-448-900

TITL: PROTOTYPE CIVIL DEFENSE MANUAL FOR RADIOLOGICAL DECONTAMINATION OF MUNICIPALITIES SECOND EDITION; VOL. 1, DECONTAMINATION PLANNING (U), 321 P.,(U)

.block

30573

.endblock

.block

copy: 1 id: 61276-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 30574

ABS: Volume II contains practical, operational information on the decontamination of radioactive fallout. It discusses the types of surfaces which will be encountered, the methods best suited to their decontamination, and the special considerations required by cold weather. It describes the three basic principles of fallout decontamination: cleansing the surface, removing the surface, and covering the surface. The various methods for achieving decontaminations are categorized as wet or dry methods, and are discussed individually in detail. Team make-ups, equipment requirements, and operational procedures are covered. The pages devoted to each method are organized as separate, specialized decontamination team operation handbooks.

ADNO: 603642

AUTH: CAMMARANO M.V. ; WHEELER C.H. JR. ; WING G.S.

CLSS: U

CORP: CURTISS-WRIGHT CORP. (CALDWELL, NJ)

DATE: 6405

DESC: Nuclear Warfare Postattack Recovery decontamination L1

DESC: SURVEY

SUJO: 3-448-900

TITL: PROTOTYPE CIVIL DEFENSE MANUAL FOR RADIOLOGICAL DECONTAMINATION OF MUNICIPALITIES, SECOND EDITION; VOL. 2, DECONTAMINATION OPERATIONS (U), 184 P., (U)

.block

30574
.endblock
.block
copy: 1 id: 61277-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 30815
AUTH: SHIFFMAN B.
CLSS: U
CONN: SD 79
CORP: RAND CORP. (SANTA MONICA, CA)
DATE: 6401
DESC: THEORY
DESC: Radiation Transport neutron L1
REPN: RM 3862 ARPA
SUJO: 9-650-000
TITL: NEW APPROACH TO TRANSPORT THEORY (U), 33 P., (U)
TREE: 970

.block
30815
.endblock

.block
copy: 1 id: 61502-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 30818
AUTH: SOLLFREY W. ; YURA H.
CLSS: U
CONN: SD 79
CORP: RAND CORP. (SANTA MONICA, CA)
DATE: 6410
DESC: THEORY
DESC: Nuclear Weapon Environment Induced Synchrotron Noise L1
REPN: RM 4316 ARPA
TSHO: HI-ALT
SUJO: 2-420-000
TITL: CERENKOV RADIATION FROM CHARGED PARTICLES IN A PLASMA IN A MAGNETIC
FIELD (U), 30 P., (U)

.block
30818
.endblock

.block
copy: 1 id: 61505-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 30819
CLSS: U
CORP: AIR FORCE SYSTEMS COMMAND (WRIGHT-PATTERSON AFB, OH)

DATE: 6311
DESC: SURVEY
DESC: Nuclear Weapon Effects on animals ionizing radiation chronic
internal L1
LA: USSR
REPN: FTD TT 63 559
SUJO: 3-312-220
TITL: PLUTONIUM-239--ITS DISTRIBUTION, BIOLOGICAL EFFECT AND ACCELERATED
ELIMINATION (U), 270 P., (U)

.block

30819

.endblock

.block

copy: 1 id: 61506-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 30950

ABS: This report examines, by theory and by analysis of real structures, the reductions in intensity inside and outside NFSS buildings that can be brought about by decontaminating the accessible surfaces on and around the buildings. Specifically the report presents the theory and applies the theory to nine different NFSS buildings in order to: 1. Determine the intensity reductions that can be achieved by decontamination methods applied to practical situations involving real physical structures. 2. Determine the intensity reductions that can be achieved when the detector is located inside a structure and when the detector is located outside the structure. 3. Determine the decontamination costs (equipment, water expended, radiation dose received by the decontamination crews) in achieving the intensity reductions. 4.

ABS: Determine the sensitivity of the achieved intensity reduction to the cleaning efficiency of the decontamination operation (and, therefore, to the type of decontamination method). 5. Determine the relative importance of the various surfaces (roofs, paved roads, parking lots, etc.) that can be decontaminated to the intensity reduction that can be achieved.

ADNO: 626727

AUTH: RYAN J.T. ; DOUGLASS J.D. JR.

CLSS: U

CONN: OCD OS 64 56

CORP: RESEARCH TRIANGLE INSTITUTE (DURHAM, NC)

DATE: 6408

DESC: THEORY

DESC: Nuclear Warfare Postattack Recovery decontamination L1

REPN: RTI RM 156 11

SUJO: 3-448-900

TITL: STUDIES OF DECONTAMINATION EFFECTIVENESS (U), 87 P., (U)

.block

30950

.endblock

.block

copy: 1 id: 61631-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 31035

ABS: Articles and documents are reviewed which are concerned with oxidation and ignition temperatures of metallic and delta-phase stabilized plutonium, particle size distribution of oxide produced by heating plutonium and some of its compounds, deposition from turbulent streams, resuspension of plutonium dioxide particulate material from various surfaces, or release of plutonium during experimental and accidental fires. In most instances, plutonium oxidation rates are found to increase with increasing temperature and humidity. A minimum rate is found in the delta-phase region due to changes in the oxide layer. Ignition can occur at temperatures above 100 C depending upon the conditions of the metal and heating. The rate of release of plutonium dioxide aerosol increases with increasing temperature and gas velocity.

ABS: Conditions in and around fires are variable and forces affecting the deposition of particles, complex. Once deposited in the soil, particulate material shows little tendency to resuspend. Several plutonium resuspension factors embracing many types of circumstances are listed.

AUTH: MISHIMA J.

CLSS: U

CONN: AT(45 1) 1350

CORP: HANFORD ATOMIC PRODUCTS OPERATION (RICHLAND, WA)

DATE: 6408

DESC: Nuclear weapon safety radiological L1

DESC: Nuclear weapon safety fire thermal L1

DESC: THEORY

REPN: HW 83668

SUJO: 4-838-100 ; 4-838-200

TITL: REVIEW OF RESEARCH ON PLUTONIUM RELEASES DURING OVERHEATING AND FIRES (U), 21 P., (U)

TNFF: 8810 ; 8859

.block

31035

.endblock

.block

copy: 1 id: 61710-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 32157

ADNO: 360643

AUTH: BLOCKER W.

CLSS: U

CONN: AF 04 (695) 269

CORP: AEROSPACE CORP. (EL SEGUNDO, CA)

DATE: 6404

DESC: THEORY

DESC: Directed Energy Weapons Lasers Technology Focusing L1

DESC: Directed Energy Weapons Lasers Effects Energy absorption L1
REPN: SSD TDR 64 46 ; TDR 269 (4710 01) 1
SUJO: 3-611-200 ; 3-613-010
TTTL: TECHNICAL CONSIDERATIONS PERTAINING TO LASER RADIATION WEAPONS (U),
23 P., (U)

.block

32157

.endblock

.block

copy: 1 id: 62811-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 32165
ADNO: 335931
AUTH: CHUAN R.L.
CLSS: U
CONN: AF 30 (602) 2159
CORP: U. OF SOUTHERN CALIFORNIA (LOS ANGELES, CA)
DATE: 6302
DESC: Directed Energy Weapons Microwaves HPM Capabilities Effectiveness
Assessment L1

DESC: EXPERIMENTAL
REPN: RADC TDR 63 134 ; USCEC R 75 101
SUJO: 3-650-300
TTTL: THEORETICAL AND EXPERIMENTAL INVESTIGATIONS OF RADIATION WEAPON
FEASIBILITY (U), 28 P., (U)

.block

32165

.endblock

.block

copy: 1 id: 62819-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 32219
ADNO: 366104L
CLSS: U
CONN: AF 33 (657) 8812
CORP: WESTINGHOUSE DEFENSE CENTER (BALTIMORE, MD)
DATE: 6309
DESC: EXPERIMENTAL
DESC: Directed Energy Weapons Lasers Effects Metals L1
DESC: Directed Energy Weapons Lasers Effects Optical materials L1
DESC: Directed Energy Weapons Lasers Effects Plastics L1
REPN: ASD TDR 63 784
SUJO: 3-613-050 ; 3-613-070 ; 3-613-100
TTTL: NON THERMAL DESTRUCTION MECHANISMS FOR RADIATION WEAPONS (U), CA.
100 P., (U)

.block

32219

.endblock

.block

copy: 1 id: 62873-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 32243
ADNO: 358318
AUTH: COOK C.W.
CLSS: S
CONN: AF 33 (657) 12199
CORP: F.W. DODGE CO.
DATE: 6406
DESC: Directed Energy Weapons USSR L1
DESC: SURVEY
REPN: MHR 64 27
SUJO: 3-609-100
TEMP: C1841
TITL: SOVIET CAPABILITIES IN RADIATION WEAPONS (U), 110 P., (S)

.block

32243

.endblock

.block

copy: 1 id: 62897-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 32346
ADNO: 336048
CLSS: C
CONN: AF 30 (602) 2638
CORP: WESTINGHOUSE DEFENSE CENTER (BALTIMORE, MD)
DATE: 6302
DESC: THEORY
DESC: Directed Energy Weapons Lasers Deployed Systems Fixed land systems
L1
DESC: Directed Energy Weapons Lasers Applications BMD anti-missile L1
REPN: RADC TDR 63 113
SUJO: 3-612-400 ; 3-616-200
TEMP: C1803
TITL: INVESTIGATION OF OPTICS FOR A RADIATION WEAPON SYSTEM (U), 75 P.,
(C)

.block

32346

.endblock

.block

copy: 1 id: 62998-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 32600
ADNO: 356629L

CLSS: C
CONN: AF 30 (602) 2083
CORP: NEW YORK UNIVERSITY (NEW YORK, NY)
DATE: 6309
DESC: THEORY EXPERIMENTAL
DESC: Directed Energy Weapons Technology Beam generation energy supply L1
REPN: RADC TDR 63 496
SUJO: 3-601-400
TEMP: C1791-4
TITL: RADIATION WEAPONS ANALYSIS STUDY GROUP, REPORT NO. 4 (U), 45 P., (C)

.block

32600

.endblock

.block

copy: 1 id: 63250-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 32680
ADNO: 338390
CLSS: SRD
CONN: AF 08 (635) 1636
CORP: GE TEMPO (SANTA BARBARA, CA)
DATE: 6306
DESC: EXPERIMENTAL
DESC: Directed Energy Weapons Ion Beams Effects Surveys L1
REPN: ASD TDR 63 12 SUPPL 14
SUJO: 3-643-005
TEMP: C1782 S14
TITL: ION BEAM WEAPON STATUS REPORT, SUPPLEMENT 14 RADIATION EFFECTS ON
TARGETS MATERIAL (U), 210 P., (SRD)

.block

32680

.endblock

.block

copy: 1 id: 63319-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 33474
AUTH: MCCLENDON L. ; EUBANK B.F.
CLSS: U
CONN: AT (29 2) 162
CORP: REYNOLDS ELECTRICAL AND ENGINEERING CO. (MERCURY, NV) ; REECO
(MERCURY, NV)
DATE: 6409
DESC: Nuclear Weapon Test safety L1
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment fallout intensity contours patterns L1
REPN: NVO 162 14
SHOT: MERRIMAC ; WICHITA ; YORK ; HYRAX ; ALLEGHENY ; ROANOKE ; BANDICOOT
; ANACOSTIA ; MADISON ; NUMBAT ; ACUSHI ; YUBA ; HUTIA ; MATACO ;

KENNEBEC

SUJO: 2-225-100 ; 4-856-000

TITL: OPERATION STORAX, ON-SITE RADIOLOGICAL SAFETY REPORT, JULY 1962
THROUGH JUNE 1963 (U), 125 P., (U)

.block

33474

.endblock

.block

copy: 1 id: 64170-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 33797

ADNO: 338498L

AUTH: GEORGE M.S. ; CHAMPION G.P. ; MALCOLM L.

CLSS: U

CORP: NORTHROP CORP. (NEWBURY PARK, CA)

DATE: 6300

DESC: TABULAR

DESC: Nuclear Weapon Effects Communications Systems C4 hardware radio
microwave systems L1

DESC: Nuclear Weapon Effects electronic subsystems recorders amplifiers L1

EFFT: TREE

REPN: 2640 3 99

SUJO: 3-132-220 ; 3-213-000

TITL: EQUIPMENT DESIGN PRACTICES AND TECHNIQUES FOR THE NUCLEAR RADIATION
ENVIRONMENT; REPORT NO. 3 (U), CA. 200 P., (U)

TREE: 369 ; 395

.block

33797

.endblock

.block

copy: 1 id: 64499-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 33803

ADNO: 401196

AUTH: WOODS S.R.

CLSS: U

CORP: AIR FORCE TACTICAL AIR COMMAND (LANGLEY AFB, VA)

DATE: 6304

DESC: Nuclear Weapon Environment Fallout gamma intensities spectra L1

DESC: TABULAR SUMMARY

REPN: TAC OA TM 121

SUJO: 2-223-200

TITL: RAPID ESTIMATION OF RESIDUAL RADIATION DOSAGE (U), 15 P., (U)

.block

33803

.endblock

.block

copy: 1 id: 64505-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 33804
ADNO: 425533
AUTH: READ P.A.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
DATE: 6310
DESC: TABULAR
DESC: Nuclear Weapon Environment fission neutrons L1
REPN: NRDL TR 686
SUJO: 2-223-700
TTTL: CALCULATIONS AND NOMOGRAMS FOR USE IN A NEUTRON-INDUCED ACTIVITY
PREDICTION SYSTEM (U), 25 P., (U)

.block

33804

.endblock

.block

copy: 1 id: 64506-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 34121
ADNO: 388630
AUTH: BOND J.W.
CLSS: SRD
CONN: AF 04(695) 469
CORP: AEROSPACE CORP. (SAN BERNARDINO, CA)
DATE: 6412
DESC: TABULAR SUMMARY
DESC: Nuclear Warfare Strategic systems defense [REDACTED] L1
DESC: Nuclear Warfare Strategic systems warheads L1 ENHANCED RADIATION
REPN: AC TOR 469(S5855 80) 1
SUJO: 3-423-500 ; 3-423-800
TEMP: C3749
TTTL: NUCLEAR WEAPONS TECHNOLOGY (U), 31 P., (SRD)

.block

34121

.endblock

.block

copy: 1 id: 64814-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 34352
ABS: This deals with electron beam testing of mirrors and baffles.
AUTH: MEAD J.B.
CLSS: CRD CNWDI
CONN: W 7405 ENG 48
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA) ; LAWRENCE LIVERMORE LAB.

(LIVERMORE, CA)

DATE: 6311
DESC: THEORY
DESC: Nuclear Weapon Environment Visible Output rate L1
DESC: Nuclear Weapon Environment Visible Output energy spectrum L1
REPN: UCRL 7604 ; CR 264023
SUJO: 1-420-000 ; 1-440-000
TEMP: B4568
TITL: PROPERTIES OF TELLER LIGHT (AIR FLUORESCENCE) INDUCED BY 22-MEV
ELECTRONS (U), 28 P., (CRD CNWDI)

.block

34352

.endblock

.block

copy: 1 id: 65031-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 35520
CLSS: U
CORP: NATIONAL BUREAU OF STANDARDS (WASH., DC)
DATE: 6403
DESC: HANDBOOK
DESC: test instruments nuclear radiation L1
REPN: NBS HB 85 ; ICRU 10B 1962
SUJO: 4-340-000
TITL: PHYSICAL ASPECTS OF IRRADIATION; RECOMMENDATIONS OF THE
INTERNATIONAL COMMISSION ON RADIOLOGICAL UNITS AND MEASUREMENTS;
HANDBOOK 85 (U), 106 P., (U)

TREE: 650

.block

35520

.endblock

.block

copy: 1 id: 66219-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 58.4.5
AUTH: BOOKS K.G.
CLSS: U
CORP: GEOLOGICAL SURVEY
DATE: 6309
DESC: Nuclear Energy Power Nuclear Materials site radiation safety L1
DESC: Geology L5
DESC: EXPERIMENTAL
REPN: CEX 58.4.5
SUJO: 3-540-000 ; 6-700-000
TITL: AERORADIOACTIVITY SURVEY AND RELATED SURFACE GEOLOGY OF PARTS OF THE
SAN FRANCISCO REGION, CALIFORNIA (ARMS-I) (U), 23 P., (U)

.block

CEX 58.4.5

.endblock

.block

copy: 1 id: 72717-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 58.4.6
AUTH: POPENOE P.
CLSS: U
CORP: ATOMIC ENERGY COMMISSION, CIVIL EFFECTS TEST OPERATIONS
DATE: 6307
DESC: Geology L5
DESC: EXPERIMENTAL
DESC: Nuclear Energy Power Nuclear Materials site radiation safety L1
REPN: CEX 58.4.6
SUJO: 3-540-000 ; 6-700-000
TITL: AERORADIOACTIVITY SURVEY AND AREAL GEOLOGY OF PARTS OF SOUTH-EASTERN
NEW YORK AND SOUTHERN NEW ENGLAND (ARMS-I) (U), 31 P., (U)

.block

CEX 58.4.6

.endblock

.block

copy: 1 id: 72718-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 59.4.10
AUTH: BATES R.G.
CLSS: U
CORP: GEOLOGICAL SURVEY
DATE: 6303
DESC: EXPERIMENTAL
DESC: Geology L5
DESC: Nuclear Energy Power Nuclear Materials site radiation safety L1
REPN: CEX 59.4.10
SUJO: 3-540-000 ; 6-700-000
TITL: AERORADIOACTIVITY SURVEY AND AREAL GEOLOGY OF THE NATIONAL REACTOR
TESTING STATION AREA, IDAHO (ARMS-I) (U), 22 P., (U)

.block

CEX 59.4.10

.endblock

.block

copy: 1 id: 72728-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 59.4.12
AUTH: BATES R.G.
CLSS: U
CORP: GEOLOGICAL SURVEY
DATE: 6409

DESC: EXPERIMENTAL
DESC: Nuclear Energy Power Nuclear Materials site radiation safety L1
DESC: Geology L5
REPN: CEX 59.4.12
SUJO: 3-540-000 ; 6-700-000
TITL: AERORADIOACTIVITY SURVEY AND AREAL GEOLOGY OF THE PITTSBURGH AREA,
PENNSYLVANIA, OHIO, WEST VIRGINIA, AND MARYLAND (ARMS-I) (U), 19 P.,
(U)

.block

CEX 59.4.12

.endblock

.block

copy: 1 id: 72730-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 59.4.17
AUTH: NEUSCHEL S.K.
CLSS: U
CORP: GEOLOGICAL SURVEY
DATE: 6305
DESC: Geology L5
DESC: Nuclear Energy Power Nuclear Materials site radiation safety L1
DESC: EXPERIMENTAL
REPN: CEX 59.4.17
SUJO: 3-540-000 ; 6-700-000
TITL: AERORADIOACTIVITY SURVEY AND AREAL GEOLOGY OF THE DISTRICT OF
COLUMBIA AND PARTS OF MARYLAND, VIRGINIA, AND WEST VIRGINIA (ARMS-I)
(U), 40 P., (U)

.block

CEX 59.4.17

.endblock

.block

copy: 1 id: 72734-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 59.4.23
AUTH: BATES R.G.
CLSS: U
CORP: GEOLOGICAL SURVEY
DATE: 6406
DESC: Geology L5
DESC: Nuclear Energy Power Nuclear Materials site radiation safety L1
DESC: EXPERIMENTAL
REPN: CEX 59.4.23
SUJO: 3-540-000 ; 6-700-000
TITL: AERORADIOACTIVITY SURVEY AND AREAL GEOLOGY OF PARTS OF OHIO AND
INDIANA (ARMS-I) (U), 19 P., (U)

.block

CEX 59.4.23

.endblock

.block

copy: 1 id: 72735-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 59.4.26
AUTH: POPENOE P.
CLSS: U
CORP: GEOLOGICAL SURVEY
DATE: 6404
DESC: Nuclear Energy Power Nuclear Materials site radiation safety L1
DESC: Geology L5
DESC: EXPERIMENTAL
REPN: CEX 59.4.26
SUJO: 3-540-000 ; 6-700-000
TITL: AERORADIOACTIVITY SURVEY AND AREAL GEOLOGY OF THE DENVER AREA,
COLORADO (ARMS-I) (U), 26 P., (U)

.block

CEX 59.4.26

.endblock

.block

copy: 1 id: 72737-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 59.7B 2
AUTH: BURSON Z.G.
CLSS: U
CORP: EG+G, INC. (LAS VEGAS, NV.)
DATE: 6302
DESC: SIMULATION (CO-60) ; EXPERIMENTAL
DESC: Cross Sections gamma L5
DESC: Nuclear Weapon Effects structures aboveground buildings L1
REPN: CEX 59.7B PT. 2
SUJO: 3-251-000 ; 9-830-000
TITL: EXPERIMENTAL RADIATION MEASUREMENTS IN CONVENTIONAL STRUCTURES; PT.
2, COMPARISON OF MEASUREMENTS IN ABOVE-GROUND AND BELOW-GROUND
STRUCTURES FROM SIMULATED AND ACTUAL FALLOUT RADIATION (U), 66 P.,
(U)

TREE: 411

.block

CEX 59.7B 2

.endblock

.block

copy: 1 id: 72739-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 61.4
AUTH: BURSON Z.G.
CLSS: U

CORP: EG+G, INC. (LAS VEGAS, NV.)
DATE: 6302
DESC: Cross Sections gamma L1
DESC: Nuclear Weapon Effects structures aboveground buildings L1
DESC: SIMULATION (CO-60) ; EXPERIMENTAL
EFFT: FALLOUT
REPN: CEX 61.4
SUJO: 3-251-000 ; 9-830-000
TITL: EXPERIMENTAL EVALUATION OF THE FALLOUT-RADIATION PROTECTION PROVIDED
BY SELECTED STRUCTURES IN THE LOS ANGELES AREA (U), 106 P., (U)

.block

CEX 61.4

.endblock

.block

copy: 1 id: 72741-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 61.6.2
AUTH: GUILLOU R.B.
CLSS: U
CORP: EG+G, INC. (SANTA BARBARA, CA.)
DATE: 6404
DESC: Geology L5
DESC: Nuclear Energy Power Nuclear Materials site radiation safety L1
DESC: EXPERIMENTAL
REPN: CEX 61.6.2
SUJO: 3-540-000 ; 6-700-000
TITL: ALBUQUERQUE--LOS ALAMOS AREA (ARMS-II) (U), 18 P., (U)

.block

CEX 61.6.2

.endblock

.block

copy: 1 id: 72743-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 61.7.2
AUTH: MACKALLOR J.A.
CLSS: U
CORP: GEOLOGICAL SURVEY
DATE: 6403
DESC: EXPERIMENTAL
DESC: Geology L5
DESC: Nuclear Energy Power Nuclear Materials site radiation safety L1
REPN: CEX 61.7.2
SUJO: 3-540-000 ; 6-700-000
TITL: AERORADIOACTIVITY SURVEY AND GEOLOGY OF PUERTO RICO (ARMS-I) (U), 24
P., (U)

.block

CEX 61.7.2

.endblock

.block

copy: 1 id: 72746-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 62.03
AUTH: AUXIER J.A. ; HAYWOOD F.F. ; GILLEY L.W.
CLSS: U
CORP: OAK RIDGE NATIONAL LAB. (OAK RIDGE, TN.)
DATE: 6309
DESC: EXPERIMENTAL
DESC: Simulation Facilities Techniques nuclear radiation reactors isotopic
sources L1
REPN: CEX 62.03
SUJO: 4-241-000
TITL: GENERAL CORRELATIVE STUDIES--OPERATION BREN (U), 40 P., (U)

.block

CEX 62.03

.endblock

.block

copy: 1 id: 72749-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 62.14
AUTH: HAYWOOD F.F. ; AUXIER J.A. ; LOY E.T.
CLSS: U
CORP: OAK RIDGE NATIONAL LAB. (OAK RIDGE, TN.)
DATE: 6410
DESC: BREN ; EXPERIMENTAL
DESC: Radiation Transport neutron L1
DESC: Simulation Facilities Techniques nuclear radiation reactors isotopic
sources L5
DESC: Radiation Transport gamma L1
REPN: CEX 62.14
SUJO: 4-241-000 ; 9-620-000 ; 9-650-000
TITL: EXPERIMENTAL INVESTIGATION OF THE SPATIAL DISTRIBUTION OF DOSE IN AN
AIR-OVER-GROUND GEOMETRY (U), 110 P., (U)
TREE: 960 ; 970

.block

CEX 62.14

.endblock

.block

copy: 1 id: 72753-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 62.81
AUTH: HUDDLESTON C.M. ; BURSON Z.G. ; KINKAID R.M. ; KLINGLER Q.G.
CLSS: U
CORP: EG+G, INC. (LAS VEGAS, NV.)

DATE: 6407
DESC: Nuclear Weapon Environment fallout Deposition topographic factors
vegetation surface roughness L1
DESC: EXPERIMENTAL
REPN: CEX 62.81 (FINAL)
SHOT: SMALLBOY
TSHO: LOW-ALT
SUJO: 2-225-600
TITL: GROUND ROUGHNESS EFFECTS ON THE ENERGY AND ANGULAR DISTRIBUTION OF
GAMMA RADIATION FROM FALLOUT (U), 66 P., (U)

.block

CEX 62.81

.endblock

.block

copy: 1 id: 72758-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 63.6.1
AUTH: GUILLOU R.B.
CLSS: U
CORP: EG+G, INC. (SANTA BARBARA, CA.)
DATE: 6404
DESC: EXPERIMENTAL
DESC: Nuclear Energy Power Nuclear Materials site radiation safety L1
DESC: Geology L5
REPN: CEX 63.6.1
SUJO: 3-540-000 ; 6-700-000
TITL: ORLANDO AREA (ARMS-II) (U), 19 P., (U)

.block

CEX 63.6.1

.endblock

.block

copy: 1 id: 72763-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: CEX 63.6.2
AUTH: GUILLOU R.B.
CLSS: U
CORP: EG+G, INC. (SANTA BARBARA, CA.)
DATE: 6404
DESC: Nuclear Energy Power Nuclear Materials site radiation safety L1
DESC: EXPERIMENTAL
REPN: CEX 63.6.2
SUJO: 3-540-000
TITL: PARR AREA (ARMS-II) (U), 20 P., (U)

.block

CEX 63.6.2

.endblock

.block

copy: 1 id: 72764-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: CEX 63.7
AUTH: WHITE C.S. ; BOWEN I.G. ; RICHMOND D.R.
CLSS: U
CORP: LOVELACE FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH
DATE: 6408
DESC: Nuclear Weapon Effects thermal burns heating L1 ionizing radiation
L1 JAPAN
DESC: Environmental Impact Assessments EIS Supporting Data L5 BIOLOGICAL
THRESHOLDS
DESC: SUMMARY
DESC: Nuclear Weapon Effects on animals blast shock missiles L1 pressure
L1 translation L1
REPN: CEX 63.7
SHOT: HIROSHIMA ; NAGASAKI
SUJO: 3-311-100 ; 3-311-200 ; 3-311-300 ; 3-312-100 ; 3-313-100 ;
4-870-200
TITL: COMPARATIVE ANALYSIS OF SOME OF THE IMMEDIATE ENVIRONMENTAL EFFECTS
AT HIROSHIMA AND NAGASAKI (U), 79 P., (U)

.block

CEX 63.7

.endblock

.block

copy: 1 id: 72765-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 0622
ADNO: 443893
AUTH: SNYDER J.W.
CLSS: U
CORP: DEFENSE ATOMIC SUPPORT AGENCY (WASHINGTON-DC)
DATE: 6409
DESC: Nuclear Weapon Effects materials not systems associated
DESC: thermal protection
DESC: Nuclear Weapon Effects structures aboveground cities
DESC: BIBLIOGRAPHY
REPN: DASA 0622
SUJO: 3-240-000 ; 3-252-000 ; 9-870-000
TITL: THERMAL RADIATION BIBLIOGRAPHY (U) 25 P (U)

.block

DASA 0622

.endblock

.block

copy: 1 id: 74010-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 1311 2

CLSS: U
CCDE: CONJ ; INVARS ; CARMEL ; MFLINE ; MAGFLD ; MIRROR ; BMAGEQ ; BLINEX
; INVAR ; START ; LINES ; INTEG ; MAGNET
CONN: DA 49 146 XZ 109
CORP: GENERAL ELECTRIC COMPANY/TEMPO (SANTA BARBARA-CA)
DATE: 6401
DESC: Electromagnetic Theory Applications L1
DESC: GEOMAGNETIC CODES ; CODE
DESC: Magnetic Fields Electric Currents in the Upper Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L1
DESC: Nuclear Weapon Environment Induced Geomagnetic Hydromagnetic
Perturbations L1
REPN: 63 TMP 28 ; DASA 1311 2
SUJO: 2-530-000 ; 5-800-000 ; 9-300-000
TITL: USEFUL HIGH ALTITUDE NUCLEAR EFFECTS COMPUTER PROGRAMS, VOLUME 2,
GEOMAGNETIC CODES (U), 62 P, (U)

.block

DASA 1311 2

.endblock

.block

copy: 1 id: 74174-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1311 4
ADNO: 359894L
CLSS: S
CCDE: BOOM ; HAXRAP ; PEEP ; WEPH
CONN: DA 49 146 XZ 109
CORP: GENERAL ELECTRIC COMPANY/TEMPO (SANTA BARBARA-CA)
DATE: 6401
DESC: IONIZATION CODES ; CODE
DESC: Radiation Transport L5
DESC: Nuclear Weapon Phenomenology Atmospheric Ionization Chemistry L1
DESC: Nuclear Weapon Effects EM Propagation absorption blackout L5
REPN: 63 TMP 47 ; DASA 1311 4
SUJO: 2-310-000 ; 2-321-100 ; 9-600-000
TEMP: 39566
TITL: USEFUL HIGH-ALTITUDE NUCLEAR EFFECTS COMPUTER PROGRAMS, VOLUME 4
(U), 103 P, (S)

.block

DASA 1311 4

.endblock

.block

copy: 1 id: 74177-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1342
ADNO: 401875
AUTH: LINCOLN K.A.
CLSS: U

CORP: NAVY/RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6301
DESC: Simulation Facilities Techniques thermal optical L1
REPN: DASA 1342 ; USNRDL TR 617
SUJO: 4-280-000
TITL: XENON FLASHTUBES AS SOURCES OF THERMAL RADIATION (U), CIRCA 40 P,
(U)

.block

DASA 1342

.endblock

.block

copy: 1 id: 74208-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1344
ADNO: 401342
AUTH: HEGE J.S.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6301
DESC: CONVENTIONAL SIMULATION HYDRA ; THEORY EXPERIMENTAL
DESC: Simulation Facilities Techniques x-ray effects electro explosives L1
REPN: DASA 1344 ; USNRDL TR 612
TSHO: UNDERWATER
SUJO: 4-232-200
TITL: DETERMINATION OF THE TOTAL THERMAL RADIANT ENERGY EMITTED BY AN
UNDERWATER EXPLODING WIRE, HYDRA PROGRAM (U), 23 P (U)

.block

DASA 1344

.endblock

.block

copy: 1 id: 74209-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1345
AUTH: SOULE R.R.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6301
DESC: SIMULATION (HE)
DESC: Environmental Conditions at Nuclear Weapon Test Site topography L1
REPN: DASA 1345 ; NRDL TR 614
SHOT: HYDRA
TSHO: UW
SUJO: 4-843-000
TITL: HYDRA PROGRAM, HYDRA IIA SERIES--TIMING AND FIRING SYSTEM FOR 10,
000-POUND UNDERWATER EXPLOSIONS (U), 25 P., (U)

.block

DASA 1345

.endblock

.block

copy: 1 id: 74210-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1346
AUTH: GURNEY W.J.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6301
DESC: EXPERIMENTAL
DESC: test instruments nuclear radiation gamma
REPN: DASA 1346 ; USNRDL TR 613
SUJO: 4-341-000
TITL: HYDRA PROGRAM, HYDRA IIA SERIES A SYSTEM FOR THE MEASUREMENT OF
LOW-ENERGY GAMMA RADIATION IN THE OCEAN (U), 30 P (U)

.block

DASA 1346

.endblock

.block

copy: 1 id: 74211-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1350
ADNO: 401224
AUTH: COTTON E.S.
CLSS: U
CORP: ARMY/QUARTERMASTER RESEARCH AND ENGINEERING CENTER (NATICK-MA)
DATE: 6302
DESC: Nuclear Weapon Effects materials wood paper cellulose films
DESC: Nuclear Weapon Effects materials fibers textiles
DESC: SIMULATION ; THEORY EXPERIMENTAL
DESC: Nuclear Weapon Effects materials plastics resins L1 NYLON
EFFT: THERMAL
REPN: DASA 1350 ; T 36
SUJO: 3-242-000 ; 3-244-000 ; 3-246-000
TITL: ROLE OF RECIPROCITY IN THERMAL RADIATION DAMAGE (U), 34 P, (U)

.block

DASA 1350

.endblock

.block

copy: 1 id: 74215-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1351
AUTH: BUNTZEN R.R.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB (SAN FRANCISCO CA)

DATE: 6302
DESC: Simulation Facilities Techniques blast shock water shock L1
DESC: HYDRA SIMULATION
REPN: NRDL TR 623 ; DASA 1351
SUJO: 4-213-000
TITL: HYDRA PROGRAM THE NRDL LOW-YIELD UNDERWATER EXPLOSION TANK AND
ASSOCIATED INSTRUMENTATION (U), 21 P., (U)

.block

DASA 1351

.endblock

.block

copy: 1 id: 74216-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1368 5
ADNO: 356943L
AUTH: HORNING W.A. ; HUNTER R.K. ; LYNN D.J.
CLSS: SRD
CORP: E.H. PLESSET ASSOCIATES INCORPORATED (SANTA MONICA-CA)
DATE: 6302
DESC: THEORY
DESC: Nuclear Weapon Environment radiation decay beta decay L1
DESC: Nuclear Weapon Environment Fallout beta intensities L1
DESC: Orbital Mechanics L1
REPN: 55634 ; DASA 1368 5
SUJO: 2-223-300 ; 2-223-430 ; 9-100-000
TEMP: 33887
TITL: BETA SPECTRUM FROM NUCLEAR WEAPONS (U), 75 P, (SRD)

.block

DASA 1368 5

.endblock

.block

copy: 1 id: 74241-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1368 7
ADNO: 356940L
AUTH: MAYER H.L. ; NANCE O.
CLSS: SRD
CORP: E.H. PLESSET ASSOCIATES INCORPORATED (SANTA MONICA-CA)
DATE: 6303
DESC: Nuclear Weapon Environment Initial Gamma source strength total
intensity L1
DESC: Nuclear Weapon Environment Prompt Neutron source strength total
fluence L1
DESC: Orbital Mechanics L1
DESC: Nuclear Weapon Environment Prompt Neutron energy spectrum L1 DEV-8
DEV-7 DEV-12
DESC: Nuclear Weapon Environment X-ray Output source strength total
intensity L1

DESC: Radiation Transport neutron L5 WITHIN BOMB
DESC: EARLY TIME ; THEORY
REPN: 55650 ; DASA 1368 7
SUJO: 1-110-000 ; 1-120-000 ; 1-610-000 ; 1-710-000 ; 9-100-000 ;
9-650-000
TEMP: 33885
TITL: PROMPT EMISSIONS FROM NUCLEAR WEAPONS (U), 21 P, (SRD)
TREE: 900

.block

DASA 1368 7

.endblock

.block

copy: 1 id: 74243-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1372
ADNO: 404072
AUTH: DUDZIAK W.F. ; KLEINECKE D.C. ; KOSTIGEN T.J.
CLSS: U
CONN: DA 49 146 XZ 109
CORP: GENERAL ELECTRIC COMPANY/TEMPO (SANTA BARBARA-CA)
DATE: 6304
DESC: TABULAR OVERSIZE
DESC: Magnetic Fields Electric Currents in the Upper Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L1
REPN: RM 63 TMP 2 ; DASA 1372
SUJO: 5-800-000
TITL: GRAPHIC DISPLAYS OF GEOMAGNETIC GEOMETRY (U), 60 P, (U)

.block

DASA 1372

.endblock

.block

copy: 1 id: 74248-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1376
ADNO: 422411
AUTH: MARTIN S. ; BROIDO A.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6305
DESC: Nuclear Weapon Effects on animals thermal burns heating
DESC: Nuclear Weapon Environment Thermal Output source strength total
intensity
DESC: Nuclear Weapon Effects structures aboveground components L1 WINDOWS
DESC: Nuclear Weapon Effects materials wood paper cellulose films
DESC: Nuclear Weapon Effects materials fibers textiles
DESC: SUMMARY
DESC: Nuclear Weapon Effects structures aboveground cities
REPN: DASA 1376 ; USNRDL TR 652 ; NRDL TR 652 ; AD 422411

SUJO: 1-210-000 ; 3-242-000 ; 3-246-000 ; 3-251-100 ; 3-252-000 ;
3-313-100

TITL: THERMAL RADIATION AND FIRE EFFECTS OF NUCLEAR DETONATIONS (U), 40 P
(U)

.block

DASA 1376

.endblock

.block

copy: 1 id: 74251-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1377

AUTH: DUDZIAK W.F. ; KLEINECKE D.C. ; KOSTIGAN T.J.

CLSS: U

CONN: DA 49 146 XZ 109

CORP: GENERAL ELECTRIC COMPANY/TEMPO (SANTA BARBARA-CA)

DATE: 6304

DESC: TABULAR

DESC: Magnetic Fields Electric Currents in the Upper Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L1

REPN: RM 63 TMP 3 ; DASA 1377

SUJO: 5-800-000

TITL: TABULAR DISPLAYS OF GEOMAGNETIC GEOMETRY (U), 175 P, (U)

.block

DASA 1377

.endblock

.block

copy: 1 id: 74252-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1387

ADNO: 360139L

CLSS: SRD

CORP: DASA INFORMATION AND ANALYSIS CENTER (SANTA BARBARA-CALIFORNIA)

DATE: 6306

DESC: Nuclear Test Simulation Field Programs experiment design engineering
layout performance program documents

DESC: test instruments EM propagation atmospheric chemistry radar

DESC: SURVEY

DESC: test instruments nuclear radiation

REPN: DASIAC SR 017 ; DASA 1387

TSHO: HI-ALT

SUJO: 4-321-000 ; 4-340-000 ; 4-820-000

TEMP: 81776

TITL: DASA INSTRUMENTATION CONFERENCE, COLLECTED PAPERS (U), 254 P (SRD)

TREE: 650

.block

DASA 1387

.endblock

.block

copy: 1 id: 74259-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 1394
ADNO: 340878L
CLSS: U
CORP: DASA INFORMATION AND ANALYSIS CENTER (SANTA BARBARA-CALIFORNIA)
DATE: 6308
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum
DESC: Nuclear Weapon Environment Induced Synchrotron Noise
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum
DESC: SURVEY
DESC: Nuclear Weapon Phenomenology High-Altitude injection trapping
REPN: DASIAC SR 016 ; DASA 1394
SHOT: STARFISH
TSHO: HI-ALT
SUJO: 2-212-000 ; 2-213-000 ; 2-217-000 ; 2-420-000
TEMP: 81775
TITL: TRAPPED RADIATION, SYMPOSIUM PROCEEDINGS (U), 344 P (S)
.block

DASA 1394
.endblock

.block
copy: 1 id: 74267-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 1402
CLSS: SFRD
CONN: DA 49 146 XZ 160
CORP: ELECTROMAGNETIC TECHNOLOGY CORPORATION (PALO ALTO-CA)
DATE: 6306
DESC: EMTECH DATA CODE ; SUMMARY
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse EMP L5
REPORTS OF TRANSMITTER OUTAGES AT 800 MI.
DESC: Nuclear Weapon Effects EM Propagation absorption blackout L1 LF HF
VLF VARIOUS LINKS PASSING NEAR JI
REPN: DASA 1402
SHOT: STARFISH ; CHECKMATE ; BLUEGILL ; KINGFISH ; TIGHTROPE
TSHO: HI-ALT
SUJO: 2-321-100 ; 2-510-000
TEMP: 35050
TITL: ANALYSIS OF NUCLEAR RADIATION EFFECTS ON PROPAGATION OF
ELECTROMAGNETIC WAVES (U), 93 P, (SFRD)

.block
DASA 1402
.endblock

.block
copy: 1 id: 74274-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 1413D

ABS: The objective of this publication is to give commanders an understanding of the vulnerability of the weapons for which they are responsible. This publication contains general information concerning the effects of fire, impact, fragments, and electromagnetic radiation as they apply to nuclear weapons. It also contains an estimate of vulnerability and a summary of vulnerability tests conducted for specific weapons. It is provided for information only and is intended in no way to supplement service regulations and technical orders governing the commander's actions in these matters, but is restricted to a factual summary and evaluation of the tests conducted.

ADNO: 362960
CLSS: SRD-1
CORP: DEFENSE ATOMIC SUPPORT AGENCY (ALBUQUERQUE-NEW MEXICO)
DATE: 6309
DESC: EXPERIMENTAL HANDBOOK
DESC: Nuclear weapon safety
REPN: DASA 1413
SUJO: 4-838-000
TEMP: 51435
TITL: COMMANDER S NUCLEAR WEAPON VULNERABILITY HANDBOOK, EDITION D (U), 50
P (SRD)
TNFF: 8805

.block

DASA 1413D

.endblock

.block

copy: 1 id: 74285-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 1422

ADNO: 604478

AUTH: SAENGER E.L.

CLSS: U

CONN: DA 49 146 XZ 029

CORP: UNIVERSITY OF CINCINNATI (CINCINNATI-OHIO)

DATE: 6304

DESC: Nuclear Weapon Effects on animals ionizing radiation prompt

DESC: EXPERIMENTAL

REPN: DASA 1422

SUJO: 3-312-100

TITL: METABOLIC CHANGES IN HUMANS FOLLOWING TOTAL BODY IRRADIATION (U), 52
P (U)

.block

DASA 1422

.endblock

.block

copy: 1 id: 74301-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 1440
ADNO: 434301
AUTH: KAULUM K.W.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6309
DESC: Nuclear Weapon Phenomenology cloud columns stems L1
DESC: HYDRA CONVENTIONAL SIMULATION ; EXPERIMENTAL THEORY
DESC: Nuclear Weapon Environment fallout transport L1
REPN: DASA 1440 ; USNRDL TR 706
TSHO: UNDERWATER
SUJO: 2-224-110 ; 2-224-200
TITL: HYDRA IIB SERIES INVESTIGATION BY WATER SAMPLING OF THE INTERNAL
STRUCTURE OF COLUMNS RESULTING FROM SMALL SHALLOW UNDERWATER
EXPLOSIONS, HYDRA PROGRAM, 62 P (U)

.block

DASA 1440

.endblock

.block

copy: 1 id: 74319-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 1443
ADNO: 348782
AUTH: PERKINS W.W.
CLSS: C
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6310
DESC: Nuclear Weapon Phenomenology base surge L1
DESC: Nuclear Weapon Phenomenology plumes spray domes L1
DESC: CONVENTIONAL SIMULATION HYDRA ; EXPERIMENTAL
DESC: Nuclear Test Simulation Field Programs experiment design photography

L5

REPN: DASA 1443 ; USNRDL TR 708
TSHO: UNDERWATER
SUJO: 2-224-120 ; 2-224-130 ; 4-826-000
TEMP: 45465
TITL: HYDRA IIA SERIES-THE ABOVE-SURFACE PHENOMENA CREATED BY 10,000POUND
UNDERWATERDETONATIONS (U), HYDRA PROGRAM, 213 P (C)

.block

DASA 1443

.endblock

.block

copy: 1 id: 74322-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 1453
ADNO: 600158
AUTH: LINCOLN K.A.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CALIFORNIA)
DATE: 6403
DESC: test instruments nuclear radiation proton alpha heavy particle
REPN: DASA 1453 ; USNRDL TR 731
SUJO: 4-343-000
TTTL: SIMPLE DISPLAY SYSTEM FOR RECORDING RAPID CHANGES IN MASS SPECTRA (U), 13 P (U)

.block

DASA 1453

.endblock

.block

copy: 1 id: 74333-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1454
ADNO: 438039
AUTH: EGEBERG L.E.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6310
DESC: Nuclear weapon test timing position firing data L1
DESC: Nuclear weapon test device physical operation construction geometry materials components L1
DESC: HYDRA CONVENTIONAL SIMULATION ; SUMMARY
REPN: DASA 1454 ; USNRDL TR 727
TSHO: UNDERWATER
SUJO: 4-834-000 ; 4-836-000
TTTL: HYDRA IIA SERIES-DESIGN, FABRICATION AND HANDLING OF 10,000-LB SPHERICAL, UNCASSED HIGH-EXPLOSIVE CHARGES, HYDRA PROGRAM, (U), 33 P (U)

.block

DASA 1454

.endblock

.block

copy: 1 id: 74334-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1462
ADNO: 437253
AUTH: WHITE C.S.
CLSS: U
CONN: DA 49 146 XZ 055
CORP: LOVELACE FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH (ALBUWUERQUE-NM)
DATE: 6312

DESC: Nuclear Weapon Effects on animals ionizing radiation prompt L1
DESC: Nuclear Weapon Effects on animals blast shock L1
DESC: Nuclear Weapon Effects on animals thermal burns heating L1
DESC: SUMMARY
REPN: DASA 1462
SUJO: 3-311-000 ; 3-312-100 ; 3-313-100
TITL: TENTATIVE BIOLOGICAL CRITERIA FOR ASSESSING POTENTIAL HAZARDS FROM
NUCLEAR EXPLOSIONS (U), 43 P, (U)

.block

DASA 1462

.endblock

.block

copy: 1 id: 74343-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1466
ADNO: 360998
CLSS: CFRD 1
CONN: DA 49 146 XZ 189
CORP: ELECTRO-OPTICAL SYSTEMS INCORPORATED (PASADENA-CA)
DATE: 6311
DESC: Nuclear Test Simulation Field Programs experiment design
high-altitude debris L5
DESC: test instruments nuclear radiation gamma L1
DESC: TROPOSPHERIC OBSERVATION
REPN: 3730 FINAL ; DASA 1466
PROJ: 6.2
TSHO: HI-ALT
SUJO: 4-341-000 ; 4-822-000
TEMP: 41785
TITL: GAMMA SCANNER INSTRUMENTATION ANALYSIS PROGRAM, FINAL REPORT (U),
126 P, (CFRD)
TREE: 651

.block

DASA 1466

.endblock

.block

copy: 1 id: 74349-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1467
AUTH: ALVARES N.J.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6403
DESC: SIMULATION (ARC) THERMAL ; EXPERIMENTAL
DESC: Nuclear Weapon Effects materials carbon L1 THERMAL IGNITION ALPHA
CELLULOSE
DESC: Nuclear RDT&E Research Program Descriptions thermal optical L5
REPN: DASA 1467 ; USNRDL TR 735

SUJO: 3-248-000 ; 4-180-000
TITL: MEASUREMENT OF THE TEMPERATURE OF THE THERMALLY IRRADIATED SURFACE
OF ALPHA CELLULOSE (U), 23 P, (U)

.block

DASA 1467

.endblock

.block

copy: 1 id: 74350-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1468
AUTH: LINCOLN K.A.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)

DATE: 6403
DESC: Simulation Facilities Techniques thermal optical
DESC: test instruments nuclear radiation proton alpha heavy particle
DESC: EXPERIMENTAL
REPN: DASA 1468 ; USNRDL TR 636
SUJO: 4-280-000 ; 4-343-000
TITL: FLASH VAPORIZATION OF SOLID MATERIALS FOR MASS SPECTROMETRY BY
INTENSE THERMAL RADIATION (U), 10 P (U)

.block

DASA 1468

.endblock

.block

copy: 1 id: 74351-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1470
AUTH: RUSSELL J.L.
CLSS: OUO
CONN: DA 49 146 XZ 171
CORP: GENERAL ATOMIC (SAN DIEGO-CA)
DATE: 6312
DESC: Simulation Facilities Techniques nuclear radiation reactors isotopic
sources L1

DESC: EXPERIMENTAL
DESC: Simulation Facilities Techniques TREE L5
REPN: DASA 1470 ; GA 4873
SUJO: 4-241-000 ; 4-272-000
TITL: FEASIBILITY STUDY OF THE ACCELERATOR PULSED FAST ASSEMBLY, SUMMARY
REPORT (U), 126 P, (OUO)

TREE: 642

.block

DASA 1470

.endblock

.block

copy: 1 id: 74353-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 1472
ADNO: 359574L
AUTH: GLENN D.C. ; O DELL A.A. JR. ; RAYMOND J.P. ; WOODS J.E.
CLSS: SRD-1
CCDE: ZZ
CONN: DA 49 146 XZ 176 (DASA)
CORP: NORTHROP/NORTRONICS (NEWBURY PARK-CALIFORNIA)
DATE: 6402
DESC: Nuclear Weapon Effects electronic subsystems guidance control
DESC: CODE EXPERIMENTAL THEORY
DESC: Nuclear Weapon Environment Prompt Neutron source strength total
fluence
DESC: Nuclear Weapon Environment Initial Gamma source strength total
intensity
DESC: Simulation Facilities Techniques TREE
DESC: Nuclear Weapon Effects missile systems strategic
DESC: Nuclear Weapon Environment Prompt Neutron energy spectrum
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers
DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse width
REPN: DASA 1472 ; NVR 2945
SHOT: SMALLBOY ; HAMILTON ; HUMBOLDT ; LITTLE FELLER-II
TSHO: SURFACE ; LOW-ALT
SUJO: 1-110-000 ; 1-120-000 ; 1-710-000 ; 1-740-000 ; 3-112-100 ;
3-211-000 ; 3-221-000 ; 4-272-000
TEMP: 51521
TITL: RESEARCH PROGRAM TO DETERMINE TRANSIENT RADIATION EFFECTS ON
SPECIFIC GUIDANCESYSTEM CIRCUITS FINAL REPORT, 1 DECEMBER 1962 31
JANUARY 1964 (U), 342 P (SRD)
TREE: 342

.block

DASA 1472

.endblock

.block

copy: 1 id: 74355-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 1478
AUTH: HAMLIN D.A. ; LOWEN R.W. ; MARRIOTT R. ; SOWLE D.H.
CLSS: SRD 1
CONN: DA 49 146 XZ 175
CORP: GENERAL DYNAMICS/ASTRONAUTICS (SAN DIEGO-CA)
DATE: 6401
DESC: Nuclear weapon test timing position firing data L9 P-2-5
DESC: Nuclear Weapon Environment Induced Geomagnetic Hydromagnetic
Perturbations L5
DESC: Radiation Transport L5 DEBRIS PARTICLES
DESC: Nuclear Weapon Environment Induced Synchrotron Noise L5

DESC: Radiation Transport neutron L5
DESC: DEBRIS ; SUMMARY EXPERIMENTAL THEORY
DESC: Nuclear Weapon Phenomenology ionospheric waves heave gravity waves
L5
DESC: Nuclear Weapon Phenomenology Fireball Internal Pressure Temperature
Density Particle Velocities L1 CHECK MATE
DESC: Nuclear Weapon Effects EM Propagation absorption blackout L5 UHF
DESC: Environmental Conditions at Nuclear Weapon Test Site ionospheric
conditions at time of test L5 MAGNETIC FIELD ONLY APP I
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1
DESC: Nuclear Weapon Phenomenology Atmospheric Ionization Chemistry
general descriptions L5
DESC: Nuclear weapon test yield L9 P2-5
DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise Rates L1
REPN: DASA 1478
SHOT: STARFISH ; CHECKMATE ; KINGFISH ; BLUE GILL ; TIGHTROPE
TSHO: HI-ALT
SUJO: 2-110-000 ; 2-130-000 ; 2-211-000 ; 2-311-000 ; 2-321-100 ;
2-420-000 ; 2-530-000 ; 2-618-000 ; 4-834-000 ; 4-835-000 ;
4-845-000 ; 9-600-000 ; 9-650-000
TEMP: 39569 I
TITL: ANALYSES OF OPERATION FISH BOWL DATA FOR MOTION OF BOMB DEBRIS (U),
FINAL REPORT, CIRCA 240 P, (SRD)

.block

DASA 1478

.endblock

.block

copy: 1 id: 74360-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1486
ADNO: 446512
AUTH: CARTER D.S.
CLSS: U
CONN: DA 49 146 XZ 198 (DASA)
CORP: LOCKHEED MISSILES AND SPACE COMPANY (PALO ALTO-CALIFORNIA)
DATE: 6308
DESC: Radiation Transport visible
DESC: Absorption Spectrum Transmission Opacity of Natural Heated Air
DESC: THEORY
REPN: 3 27 63 2 ; DASA 1486
SUJO: 5-200-000 ; 9-630-000
TITL: EXAMINATION OF THE TWO-STREAM APPROXIMATION FOR RADIATIVE TRANSFER
THROUGH SPHERICALLY SYMMETRIC MEDIA (U), 38 P (U)

.block

DASA 1486

.endblock

.block

copy: 1 id: 74368-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1504 02
ADNO: 355637
AUTH: EZOP J.J. ; HOLLITCH R.S. ; ROSS S.K. ; SEARS R. ; STINCHCOMB T.G.
CLSS: U
CCDE: HFCALC ; PCALC ; BCALC
CONN: DA 49 146 XZ 217
CORP: IIT RESEARCH INSTITUTE (CHICAGO-IL)
DATE: 6405
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1
DESC: Nuclear Weapon Phenomenology High-Altitude induced airglow
fluorescence L1 VISIBLE ATOMIC OXYGEN
DESC: Nuclear Weapon Environment Induced Geomagnetic Hydromagnetic
Perturbations L5
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L5
DESC: PHOTOGRAPHIC DATA AT H PLUS 5 MINUTES ; CODE THEORY
DESC: Nuclear RDT&E Research Program Descriptions EM propagation
atmospheric chemistry L5
DESC: radio microwave propagation in the ionosphere L1 COSMIC NOISE
DESC: Nuclear Weapon Phenomenology High-Altitude auroras L1
DESC: Magnetic Fields Electric Currents in the Upper Atmosphere Trapped
Radiation Particle Fluxes Space Radiation L1 BREMSSTRAHLINGSPECTRA
ELECTRON AND ION MOTION
REPN: DASA 1504 02 ; IITRI T 6028 (V2)
PROJ: 6.5B
SHOT: STARFISH
TSHO: HI ALT
SUJO: 2-211-000 ; 2-212-000 ; 2-214-000 ; 2-215-000 ; 2-530-000 ;
4-120-000 ; 5-730-000 ; 5-800-000
TITL: ANALYSIS OF PROJECT 6.5B DATA; VOL. 2, SUPPORTING COMPUTATIONS (U),
CA. 100 P., (U)

.block

DASA 1504 02

.endblock

.block

copy: 1 id: 74394-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1510
ADNO: 450198
AUTH: OCONNOR J.D. ; LAI J.R.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6405
DESC: EXPERIMENTAL
DESC: Nuclear Test Simulation Field Programs experiment design fallout
radioactivity
REPN: DASA 1510 ; USNRDL TR 772

TSHO: UW
SUJO: 4-821-000
TITL: HYDRA IIA SERIES RADIOACTIVE TRACERS USED TO STUDY THE DISTRIBUTION
OF EXPLOSION PRODUCTS FROM 10,000-POUND UNDERWATER DETONATIONS,
HYDRA PROGRAM (U), 21 P (U)

.block

DASA 1510

.endblock

.block

copy: 1 id: 74409-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1522
AUTH: HILLEDAHL R.W.
CLSS: U
CONN: DA 49 146 XZ 198
CORP: LOCKHEED MISSILES AND SPACE COMPANY (PALO ALTO-CA)
DATE: 6402
DESC: Fluid Mechanics hydrodynamics L1
DESC: Nuclear Weapon Phenomenology Fireball Energy Partition Energy
Coupling L1 HYDRODYNAMIC SHOCK GENERATION
DESC: THEORY
REPN: DASA 1522
SUJO: 2-150-000 ; 9-410-000
TITL: APPROXIMATION TECHNIQUES FOR RADIATION HYDRODYNAMICS COMPUTATIONS
(U), 46 P, (U)

.block

DASA 1522

.endblock

.block

copy: 1 id: 74415-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1526
CLSS: SRD
CORP: URS CORP (BURLINGAME, CA)
DATE: 6409
DESC: Nuclear Weapon Environment Water Shock pressure impulse particle
motion L5
DESC: Nuclear Weapon Environment radiation decay gamma decay L5
DESC: Nuclear Weapon Environment Prompt Neutron source strength total
fluence L5
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse EMP L5
DESC: Nuclear Weapon Phenomenology cloud shape size L5
DESC: Cross Sections gamma L5 SHIP SHIELDING
DESC: Nuclear Weapon Environment fallout intensity contours patterns L5
DESC: Nuclear Weapon Environment fallout transport L5
DESC: Nuclear Weapon Environment Water Shock motion surface waves runup L5
REPN: URS 192 ; DASA 1526
SUJO: 1-110-000 ; 2-223-420 ; 2-224-140 ; 2-224-200 ; 2-225-100 ;

2-510-000 ; 2-631-000 ; 2-633-000 ; 9-830-000

TEMP: 41983

TITL: SPIN DRIFT EFFECTS HANDBOOK, EDITION TWO (U), 123 P, (SRD)

.block

DASA 1526

.endblock

.block

copy: 1 id: 74419-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1537

ADNO: 355566L

AUTH: PERKINS W.W.

CLSS: C

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)

DATE: 6406

DESC: Nuclear Weapon Environment Water Shock motion surface waves runup

DESC: Nuclear Weapon Environment Water Shock velocity arrival time
spectrum duration

DESC: Nuclear Weapon Environment Water Shock special studies temperature
gradients

DESC: Nuclear Weapon Environment Water Shock pressure impulse particle
motion

DESC: SIMULATION (HE) ; EXPERIMENTAL THEORY

DESC: Nuclear Weapon Environment Water Shock bubbles

DESC: test instruments test hardware pressure stress

REPN: DASA 1537 ; USNRDL TR 786

TSHO: UW

SUJO: 2-631-000 ; 2-632-000 ; 2-633-000 ; 2-636-000 ; 2-639-000 ;

4-311-000

TEMP: 45730

TITL: HYDRA IIA SERIES-UNDERWATER PRESSURES FROM THE UNDERWATER DETONATION
OF 10,000-POUND HBX-1 CHARGES, HYDRA PROGRAM (U), 134 P (C)

.block

DASA 1537

.endblock

.block

copy: 1 id: 74429-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1540

ADNO: 612013

AUTH: IMHOF W.L., GAINES E.E., KING D.R., NAKANO G.H., SMITH R.V., VAUGHN
F.J.

CLSS: U

CONN: DA 49 146 XZ 205

CORP: LOCKHEED MISSILES AND SPACE COMPANY (SUNNYVALE-CA)

DATE: 6407

DESC: Nuclear Weapon Phenomenology High-Altitude injection trapping L1

DESC: Magnetic Fields Electric Currents in the Upper Atmosphere Trapped

Radiation Particle Fluxes Space Radiation L5

DESC: EXTRA STRATOSPHERIC OBSERVATION ; SUMMARY
REPN: DASA 1540
SHOT: STARFISH ; RUSSIAN (62-10-22) ; RUSSIAN (62-10-28) ; RUSSIAN
(62-11-01)
SUJO: 2-217-000 ; 5-800-000
TITL: ANALYSIS AND EVALUATION OF MEASUREMENTS OF GEOMAGNETICALLY TRAPPED
ELECTRONS FROM HIGH ALTITUDE NUCLEAR EXPLOSIONS, FINAL REPORT (U),
124 P, (U)

.block

DASA 1540

.endblock

.block

copy: 1 id: 74431-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1541
ADNO: 358838
AUTH: STUBBS H.E.
CLSS: SRD 1
CONN: DA 49 149 XZ 196
CORP: MT AUBURN RESEARCH ASSOCIATES INCORPORATED (CAMBRIDGE-MA)
DATE: 6407
DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise Rates L1
DESC: Nuclear Weapon Environment Fallout beta intensities L5
DESC: Nuclear Weapon Phenomenology Atmospheric Ionization Chemistry
general descriptions L1
DESC: Nuclear Weapon Environment Induced Synchrotron Noise L5
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1
DESC: Nuclear Weapon Effects EM Propagation reflection clutter fireball
disturbed ionosphere L5
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment radiation decay beta decay L5
DESC: Nuclear Weapon Effects EM Propagation absorption blackout L5
REPN: DASA 1541 ; 7 15 64 (HES SRD 34)
SUJO: 2-110-000 ; 2-211-000 ; 2-223-300 ; 2-223-430 ; 2-311-000 ;
2-321-100 ; 2-321-310 ; 2-420-000
TEMP: 41714
TITL: ANALYSIS OF FISHBOWL DATA RELEVANT TO DEBRIS PHENOMENA (U), 89 P
(SRD)

.block

DASA 1541

.endblock

.block

copy: 1 id: 74432-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1547
ADNO: 355583L

AUTH: GURNEY W.J. ; KILLEEN P.A.
CLSS: CFRD
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6407
DESC: SIMULATION (HE) LONG RANGE OBSERVATION ; EXPERIMENTAL
DESC: Nuclear Weapon Environment fallout transport
REPN: DASA 1547 ; USNRDL TR 785
TSHO: UW
SUJO: 2-224-200
TEMP: 45627
TITL: HYDRA PROGRAM, HYDRA II A SERIES, DISTRIBUTION OF EXPLOSION PRODUCTS
IN THE ABOVE-SURFACE PHENOMENA OF VERY SHALLOW AND SHALLOW
UNDERWATER EXPLOSIONS (U), 105 P (CFRD)

.block

DASA 1547

.endblock

.block

copy: 1 id: 74438-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1566
ADNO: 615477
AUTH: STOLWIJK J.A.J. ; HARDY J.D.
CLSS: U
CONN: DA 49 146 XZ 124
CORP: JOHN B. PIERCE FOUNDATION LABORATORY (NEW HAVEN-CN)
DATE: 6410
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals thermal L1 SIMULATION
REPN: DASA 1566
SUJO: 3-313-000
TITL: SKIN AND SUBCUTANEOUS TEMPERATURE CHANGES DURING EXPOSURE TO INTENSE
THERMAL RADIATION (U), 33 P (U)

.block

DASA 1566

.endblock

.block

copy: 1 id: 74463-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 07064
ADNO: 451905
AUTH: HAM W.T.
CLSS: U
CONN: DA 49 146 XZ 102
CORP: MEDICAL COLLEGE OF VIRGINIA (RICHMOND, VA)
DATE: 6400
DESC: EXPERIMENTAL
DESC: Simulation Facilities Techniques biomedical thermal L5
DESC: Directed Energy Weapons Lasers Effects Personnel animal life L1

SIMULATION (LASER)

SUJO: 3-613-900 ; 4-252-000

TITL: OCULAR EFFECTS OF LASER RADIATION, PART 1, (U), 33 P (U)

.block

DASA 1574

.endblock

.block

copy: 1 id: 41799-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1601

ADNO: 363360

AUTH: RICHTER A. ; STENZEL W. ; KROEBER C.

CLSS: C

CONN: DA 49 146 XZ 291

CORP: FORD INSTRUMENT CO (LONG ISLAND-NY)

DATE: 6410

DESC: test instruments nuclear radiation fallout debris sampling
collectors

DESC: Nuclear Weapon Environment Ground Shock motion strain fracture
displacement particle velocity

DESC: Nuclear Weapon Environment Airblast static overpressure OVERPRESSURE

DESC: LOCAL FALLOUT ; SURVEY TABULAR

DESC: Nuclear Weapon Environment Prompt Neutrons

DESC: Nuclear Weapon Environment Airblast dynamic pressure PRESSURE

DESC: Nuclear Weapon Environment Initial Gamma

DESC: Nuclear Weapon Environment Fallout Particles size distribution

REPN: DASA 1601

TSHO: SURFACE

SUJO: 1-100-000 ; 1-700-000 ; 2-222-300 ; 2-611-000 ; 2-612-000 ;

2-621-000 ; 4-345-000

TEMP: 47886

TITL: FALLOUT COLLECTOR SURVEY, FINAL REPORT (U), 86 P (C)

.block

DASA 1601

.endblock

.block

copy: 1 id: 74543-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1633

ADNO: 467571

AUTH: SAENGER E.L. ; FRIEDMAN B.I. ; KEREIAKES J.G. ; PERRY H.

CLSS: U

CONN: DA 49 146 XZ 029 (DASA)

CORP: UNIVERSITY OF CINCINNATI (CINCINNATI-OHIO)

DATE: 6402

DESC: Nuclear Weapon Effects on animals ionizing radiation prompt

DESC: EXPERIMENTAL

REPN: DASA 1633

SUJO: 3-312-100
TITL: METABOLIC CHANGES IN HUMANS FOLLOWING TOTAL BODY IRRADIATION, MAY 1,
1963 TO FEBRUARY 29, 1964 (U), 33 P (U)

.block

DASA 1633

.endblock

.block

copy: 1 id: 74569-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: EMP 1-1-07

ABS: The typical loop used for measuring the time derivative of the magnetic field, B, is constructed from two pieces of coaxial cable which drive a balanced cable (twinax) and have only their center conductors joined to close the loop. However, it is possible to improve upon this for some applications by use of what can be called a moebius strip loop which has the properties of doubled sensitivity to the magnetic field but much less sensitivity to transient radiation effects. Throughout this note the more typical loop configuration which can be called a split shield loop will be discussed first, for purposes of comparison with the moebius strip loop. Comparison will be made both for the electrical characteristics and the radiation characteristics.

AUTH: Baum C.E.

CLSS: U

CORP: Air Force Weapons Lab. (Kirtland AFB, NM)

DATE: 6412

DESC: test instruments electronic vulnerability EMP

DESC: THEORY

EMPF: 821

SUJO: 4-371-000

SYMJ: Electromagnetic Pulse Sensor and Simulation Notes; Vol. 1, Notes 1
through 26 (U)

TITL: Characteristics of the Moebius Strip Loop (U), 13 P (U)

.block

EMP 1-1-07

.endblock

.block

copy: 1 id: 45015-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: EMP 1-1-08

ABS: A typical method of constructing a B (time rate of change of the magnetic field) loop uses a pair of coaxial cables driving a twinax cable. The coaxial cables are tied together at the end opposite the twinax to form a loop of either the split shield type or the moebius type described in a previous note. However, considering that the loops must drive typically a 100-ohm characteristic impedance cable, the limitation of the frequency response comes not from the loop transit time but from the time constant of the loop inductance and

the impedance driven by the loop. Any desired frequency response can be obtained by lowering the size of the loop to decrease the inductance but this also lowers its sensitivity. For EMP work sensitivity may not be a problem, but signal-to-noise ratio is.

ABS: The radiation noise signal from Compton currents in the cable center conductors is determined by the length of both signal cables and cable in the loop. In addition the EMP itself will induce noise signals in the signal cables, and since the loop sensitivity and thus the signal strength goes as the square of the loop dimensions, there may be some advantage in optimizing the sensitivity for a given frequency response. If less sensitivity is desired, then an optimization procedure should raise the frequency response of the loop as an added bonus. The purpose of this note is to discuss the maximization of the frequency response of a B loop. The problem of the air conductivity and its effect on the B loop response will not be discussed here and all the calculations assume a negligible conductivity.

AUTH: Baum C.E.

CLSS: U

CORP: Air Force Weapons Lab. (Kirtland AFB, NM)

DATE: 6412

DESC: THEORY

DESC: test instruments electronic vulnerability EMP

EMPF: 821

SUJO: 4-371-000

SYMJ: ELECTROMAGNETIC PULSE SENSOR AND SIMULATION NOTES, VOLUME 1, NOTES I THROUGH 26 (U)

TITL: MAXIMIZING FREQUENCY RESPONSE OF A B LOOP (U), 12 P (U)

.block

EMP 1-1-08

.endblock

.block

copy: 1 id: 45016-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: EMP 1-1-10

ABS: It is important that a method be found to measure the percentage of anisotropy (or directionality) of high intensity, time dependent gamma radiation fields. The instrument herein described is capable of yielding both the percentage of anisotropic radiation present and the direction of the anisotropy. Such an instrument is urgently needed for research in nuclear weapon environments.

AUTH: Kronenberg S. ; Berkowitz H.L.

CLSS: U

CORP: Army Electronics Labs.

DATE: 6501

DESC: THEORY

DESC: test instruments electronic vulnerability EMP

EMPF: 821

SUJO: 4-371-000

SYMJ: Electromagnetic Pulse Sensor and Simulation Notes; Vol. 1, Notes 1 through 26 (U)

TITL: Description of Gamma Anisotropy Sensor (Beatle) (U), 6 P., (U)

.block

EMP 1-1-10

.endblock

.block

copy: 1 id: 146732-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 1/28/1993 type: REPORT permanent

.endblock

INUM: EMP 2-2-40

ABS: The electromagnetic signal generated by interaction of nuclear-explosion-induced electric current with the geomagnetic field can serve as a basis for detecting such explosions at extreme distance from earth. In the present paper, an earlier theory of this phenomenon developed by the authors is extended to allow estimates of the maximum detection range. It is concluded that this electromagnetic signal may be detectable at distances of the order of $10(7)Y^{1/2}$ kilometers from a nuclear explosion of total yield Y kilotons.

AUTH: Karzas W.J. ; Latter R.

CLSS: U

CORP: Rand Corp. (Santa Monica, CA)

DATE: 6410

DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse EMP

DESC: THEORY

DESC: nuclear test detection EMP earth current detection

EMPF: 270 ; 221

TSHO: HI-ALT

SUJO: 2-510-000 ; 4-914-000

SYMJ: Electromagnetic Pulse Theoretical Notes; Vol. 2, Notes 22 through 48
(U)

TITL: Detection of the Electromagnetic Radiation from Nuclear Explosions in Space (U), 41 P (U)

.block

EMP 2-2-40

.endblock

.block

copy: 1 id: 45980-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: EMP 3-3-33

ABS: The radiation incident upon an infinitely long imperfectly conducting cylindrical shell is a plane wave of longitudinal or transverse polarization. Formulas for the steady-state electric and magnetic fields in the cavity are derived for both polarizations of the incident field. The Fourier integral is then employed to obtain the time histories of the fields on axis of the cylinder when the incident electromagnetic field is a pulse of Gaussian shape. Numerical information relating to the effectiveness of the shell as a shield is provided in the final report for several pulse durations and shell radii.

AUTH: Taylor C.D. ; Harrison C.W. Jr.
CLSS: U
CORP: New Mexico State University ; Sandia Labs.
DATE: 6409
DESC: RF EMP shielding protection L1
DESC: THEORY
EMPF: 410
SUJO: 9-810-000
SYMJ: Electromagnetic Pulse Interaction Notes; Vol. 3, Notes 32 through 47
(U)

TITL: Preliminary Report on the Attenuation of Transient Fields by
Imperfectly Conducting Cylindrical Shells (U), 14 P., (U)

.block

EMP 3-3-33

.endblock

.block

copy: 1 id: 44604-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: ITR 1833
AUTH: NORDYKE M.D. ; WRAY W.R.
CLSS: U
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA)
DATE: 6305
DESC: Test execution reports program documents other Quick Look Reports L1
REPN: POIR 1833 ; ITR 1833 ; WT 1833 (ITR)
SHOT: DANNY BOY
TSHO: UG-VENTED
SUJO: 4-860-000
TITL: PRELIMINARY SUMMARY REPORT OF A NUCLEAR CRATERING EXPERIMENT;
PROJECT DANNY BOY PRELIMINARY REPORT (U), 45 P., (U)

.block

ITR 1833

.endblock

.block

copy: 1 id: 84335-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: JDR02-3-143
AUTH: ZINN J. ; FAJEN F.E.
CLSS: SRD
CORP: LOS ALAMOS SCIENTIFIC LABORATORY (LOS ALAMOS-NM)
DATE: 6411
DESC: SUMMARY
DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise Rates L1
SHOT: BLUEGILL
TSHO: HI-ALT
SUJO: 2-110-000
SYMJ: CONTAINED IN JOURNAL OF MISSILE DEFENSE RESEARCH, WINTER 1964,
VOLUME 2, NUMBER 3 (U)

TITL: RADIATION TRANSPORT AND HYDRODYNAMIC COMPUTATION OF FIREBALL GROWTH
IN BLUEGILL (U), 4 P, (SRD)

.block

JDR02-3-143

.endblock

.block

copy: 1 id: 84425-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: JDR02-3-147

AUTH: MEYEROTT R.E. ; SCHEIBE M. ; HOLLAND D.H.

CLSS: SRD

CORP: LOCKHEED MISSILES AND SPACE COMPANY (PALO ALTO-CA)

DATE: 6411

DESC: Nuclear Weapon Phenomenology Fireball Chemistry L1

DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1

DESC: Nuclear Weapon Effects EM Propagation absorption blackout L9
BLUEGILL ANDTIGHTROPE P161 UHF MICROWAVES

DESC: SUMMARY

DESC: Nuclear Weapon Phenomenology Atmospheric Ionization Chemistry
general descriptions L9 BLUEGILL AND TIGHTROPE P161

SHOT: KINGFISH ; ORANGE ; TEAK ; YUCCA ; TIGHTROPE ; BLUEGILL ; PRISCILLA
; PAMLICO

SUJO: 2-160-000 ; 2-211-000 ; 2-311-000 ; 2-321-100

SYMJ: CONTAINED IN JOURNAL OF MISSILE DEFENSE RESEARCH, WINTER 1964,
VOLUME 2, NUMBER 3 (U)

TITL: CONTRIBUTION OF BOMB DEBRIS TO THE RADIATION FROM NUCLEAR WEAPONS
(U), 15 P, (SRD)

.block

JDR02-3-147

.endblock

.block

copy: 1 id: 84426-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: PEP 3-1-11

AUTH: Chang H.

CLSS: U

CORP: Stanford Research Institute (Menlo Park, CA)

DATE: 6309

DESC: THEORY

DESC: Plasma Physics MHD fusion L1

SUJO: 9-500-000

SYMJ: Pulsed Electrical Power Radiation Production Notes; Vol. 1, Notes
1-13 (U)

TITL: Hose Instability of a Finite, Pinched, Relativistic, Electron Beam
Penetrating an Infinite, Field-Free, Temperate Plasma (U), 29 P.,
(U)

.block

PEP 3-1-11

.endblock

.block

copy: 1 id: 50248-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: PEP 3-1-12

ABS: The electrostatic instability of an infinite electron beam penetrating an infinite plasma is analyzed. The objective is to determine the effect of beam temperature upon the growth rate of the electrostatic waves (a Gaussian velocity distribution is assumed). In addition the role of collisions within the plasma is explored. A conclusion of this study is that a high temperature limit for the beam can be defined in terms of the plasma frequencies of the beam and of the plasma. At the high temperature limit, the plasma collisions can quench the electrostatic instability; at lower temperatures, collisions tend to enhance the growth rate.

ABS: The results presented here are based upon a numerical analysis of the usual dispersion equation that is obtained for this beam-plasma system; the numerical work was carried out with the aid of a Burroughs 220 computer with a program written in BALGOL. In addition to the numerical results, approximate analytic expressions for the growth rate are derived for a number of cases of interest.

AUTH: Singhaus H.E.

CLSS: U

CORP: Stanford Research Institute (Menlo Park, CA)

DATE: 6311

DESC: THEORY

DESC: Plasma Physics MHD fusion L1

SUJO: 9-500-000

SYMJ: Pulsed Electrical Power Radiation Production Notes; Vol. 1, Notes 1-13 (U)

TITL: Beam Temperature Effects on Growth Rate of Electrostatic Instability for an Electron Beam Penetrating a Plasma (U), 33 P., (U)

.block

PEP 3-1-12

.endblock

.block

copy: 1 id: 50249-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: PEP 3-1-13

AUTH: Dorman G.

CLSS: U

CORP: Stanford Research Institute (Menlo Park, CA.)

DATE: 6404

DESC: Plasma Physics MHD fusion L1

DESC: THEORY

SUJO: 9-500-000

SYMJ: Pulsed Electrical Power Radiation Production Notes; Vol. 1, Notes

1-13

TITL: Temperature Effects on the High-Frequency Stability of a
Cylindrical, Relativistic Electron Beam Penetrating a Plasma: I (U),
46 P., (U)

.block

PEP 3-1-13

.endblock

.block

copy: 1 id: 50250-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: PEP 3-2-14

ABS: Employing the hydrodynamic approach, the electromagnetic wake of a
charged particle pulse passing through a plasma is investigated. The
perturbation in the magnetic field amplitude B_{θ} which is of
interest in the study of "hose" instability of the beam is
evaluated. The effect of charge density profile and different
velocity regimes of the beam pulse on the behavior of B_{θ} is
considered. Finally, numerical results relevant to a typical example
are presented.

AUTH: Yadavalli S.V.

CLSS: U

CORP: Stanford Research Institute (Menlo Park, CA)

DATE: 6409

DESC: THEORY

DESC: Plasma Physics MHD fusion L1

SUJO: 9-500-000

SYMJ: Pulsed Electrical Power Radiation Production Notes; Vol. 2, Notes
14-27 (U)

TITL: Electromagnetic Wake of a Charged Particle Pulse in a Plasma (U), 42
P., (U)

.block

PEP 3-2-14

.endblock

.block

copy: 1 id: 50174-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: PEP 3-2-15

ABS: This report continues the study of the effect of temperature upon
the propagation of high frequency, small amplitude disturbances in a
relativistic beam-plasma system of finite radius. The current
response of the beam is calculated in this report by using the
accurate "betatron oscillation" orbits on the beam particles. The
effect of the beam's self-magnetic field on the plasma is neglected.
Maxwell's equations are investigated for an arbitrary normal mode.
Both beam and plasma temperatures are included in deriving the
dispersion relations for the $l = 0$ normal mode. For l not equal 0
Maxwell's equations are easily uncoupled only for a cold plasma.
Dispersion relations are given for this case for an infinite plasma

only.

ABS: When the plasma temperature is not zero, uncoupling of Maxwell's equations for l not equal 0 leads to a sixth order differential equation for $E_{\text{sub } z(r)}$. For this case some special modes are investigated. In particular, it is shown that pure transverse waves are possible only for $l = 0$. However, pure longitudinal waves are found to be possible for all l , provided the relevant dispersion relations have solutions.

AUTH: Dorman G.

CLSS: U

CORP: Stanford Research Institute (Menlo Park, CA)

DATE: 6408

DESC: THEORY

DESC: Plasma Physics MHD fusion L1

SUJO: 9-500-000

SYMJ: Pulsed Electrical Power Radiation Production Notes; Vol. 2, Notes 14-27 (U)

TITL: Temperature Effects on the High-Frequency Stability of a Cylindrical, Relativistic Electron Beam Penetrating a Plasma: II (U), 65 P., (U)

.block

PEP 3-2-15

.endblock

.block

copy: 1 id: 50175-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: PNE 0107

AUTH: RAWSON D. ; BOARDMAN C. ; JAFFE-CHAZAN N.

CLSS: U

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)

DATE: 6409

DESC: Nuclear Weapon Environment Ground Shock heating thermoluminescence transitions L1

DESC: Nuclear Weapon Environment Ground Shock cavities subsidence collapse L1

DESC: Nuclear Energy Peaceful Applications economic considerations L1

DESC: Nuclear Weapon Environment Ground Shock motion strain fracture displacement particle velocity L1

DESC: SUMMARY

REPN: PNE 0107

SHOT: GNOME

TSHO: UG-CONTAINED

SUJO: 2-621-000 ; 2-627-000 ; 2-629-000 ; 3-488-000

TITL: ENVIRONMENT CREATED BY A NUCLEAR EXPLOSION IN SALT (U), PROJECT GNOME, 88 P (U)

.block

PNE 0107

.endblock

.block

copy: 1 id: 88851-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: PNE 0112 1
AUTH: NATHANS M.W. ; HOLZER A.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6302
DESC: Nuclear Weapon Environment Ground Shock heating thermoluminescence
transitions L1 OIL SAND AND SHALE AND OTHER MINERALOGICAL SAMPLES
DESC: Nuclear Weapon Effects materials metals alloys L5 C GRAPHITE PB
BRONZE 1018 STEEL
DESC: BLAST AND SHOCK ; EXPERIMENTAL
REPN: PNE 0112 1
SHOT: GNOME
TSHO: UG-CONTAINED
SUJO: 2-629-000 ; 3-243-000
TITL: SHOCK INDUCED TRANSITIONS, PART I: SAMPLE HISTORY AND SAMPLE
RECOVERY (U), PROJECT GNOME, 45 P, (U)

.block

PNE 0112 1

.endblock

.block

copy: 1 id: 88856-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: PNE 0112 3
AUTH: NATHANS M.W.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6406
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Ground Shock heating thermoluminescence
transitions L1
REPN: PNE 0112 3
SHOT: GNOME
TSHO: UG-CONTAINED
SUJO: 2-629-000
TITL: SHOCK-INDUCED TRANSITIONS, PART III: THEORY AND RESULTS (U), PROJECT
GNOME, 40P, (U)

.block

PNE 0112 3

.endblock

.block

copy: 1 id: 88858-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: PNE 0201
CLSS: U
CORP: WEATHER BUREAU RESEARCH STATION (LAS VEGAS-NV)

DATE: 6305
DESC: Environmental Conditions at Nuclear Weapon Test Site weather L1
DESC: Nuclear Weapon Test safety L1
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment fallout arrival time L5
DESC: Nuclear Energy Peaceful Applications safety aspects L1
DESC: Nuclear Weapon Environment fallout accumulation rate L5
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra L5
CLOSE IN OBSERVATION LONG RANGE OBSERVATION
DESC: Nuclear Weapon Environment fallout transport L5
REPN: PNE 0201
SHOT: SEDAN
SUJO: 2-223-200 ; 2-224-200 ; 2-225-300 ; 2-225-400 ; 3-480-500 ;
4-841-000 ; 4-856-000
TITL: WEATHER AND SURFACE RADIATION PREDICTION ACTIVITIES, PROJECT SEDAN,
FINAL REPORT (U), 45 P (U)

.block

PNE 0201

.endblock

.block

copy: 1 id: 88874-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: PNE 0215
AUTH: WARNER S.E. ; CHERRY J.T.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6406
DESC: INTERMEDIATE RANGE OBSERVATION ; EXPERIMENTAL TABULAR
DESC: Nuclear Weapon Environment Ground Shock velocity arrival time
spectrum duration L1
DESC: test instruments test hardware acceleration measurement L5
DESC: Nuclear Test Simulation Field Programs experiment design surface
vehicles structures) L1
REPN: PNE 0215
SHOT: SEDAN
TSHO: UG-VENTED
SUJO: 2-622-000 ; 4-314-000 ; 4-829-200
TITL: STRUCTURE RESPONSE (U), PROJECT SEDAN, FINAL REPORT, 19 P, (U)

.block

PNE 0215

.endblock

.block

copy: 1 id: 88881-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: PNE 0225P
AUTH: LARSON K.H. ; KOWALEWSKY B.W. ; WOOD R.A. ; MORK H.M. ; PAGLIA D. ;
GUILLOU R.B.
CLSS: U

CORP: UNIVERSITY OF CALIFORNIA, SCHOOL OF MEDICINE (LOS ANGELES, CA.)
DATE: 6305
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment radiation decay gamma decay L1
DESC: Environmental Conditions at Nuclear Weapon Test Site weather L1
DESC: Nuclear Weapon Environment fallout intensity contours patterns L1
REPN: PNE 0225P
SHOT: SEDAN
TSHO: UG-VENTED
SUJO: 2-223-420 ; 2-225-100 ; 4-841-000
TITL: CHARACTERISTICS OF FALLOUT FROM A DEEPLY BURIED NUCLEAR DETONATION
FROM ABOUT 3 TO 150 MILES FROM GROUND ZERO; AERIAL RADIOMETRIC
SURVEY (U), 64 P., (U)

.block

PNE 0225P

.endblock

.block

copy: 1 id: 88888-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: PNE 0228P
AUTH: MARTIN W.E.
CLSS: U
CORP: UNIVERSITY OF CALIFORNIA (LOS ANGELES-CA)
DATE: 6305
DESC: Nuclear Weapon Effects on plants ionizing radiation prompt L1
DESC: CLOSE IN OBSERVATION INTERMEDIATE RANGE OBSERVATION ; EXPERIMENTAL
DESC: Nuclear Weapon Effects on plants blast shock blowdown L1
REPN: PNE 228 P
SHOT: SEDAN
TSHO: UG-VENTED
SUJO: 3-331-000 ; 3-332-100
TITL: CLOSE-IN EFFECTS OF AN UNDERGROUND NUCLEAR DETONATION ON VEGETATION,
I. IMMEDIATE EFFECTS OF CRATERING, THROW-OUT, AND BLAST (U), PROJECT
SEDAN, PROJECT 62.89, 43 P, PRELIMINARY REPORT, (U)

.block

PNE 0228P

.endblock

.block

copy: 1 id: 88890-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: PNE 0229
ADNO: AD 690483
AUTH: LANE W.B.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6401
DESC: EXPERIMENTAL
DESC: Nuclear Test Simulation Field Programs experiment design fallout

radioactivity

DESC: Nuclear Weapon Environment Fallout Particles
DESC: Nuclear weapon test yield
DESC: Nuclear Weapon Environment Fallout Radioproperties
REPN: PNE 0229
SHOT: SEDAN
TSHO: UG-VENTED
SUJO: 2-222-000 ; 2-223-000 ; 4-821-000 ; 4-835-000
TITL: SOME RADIOCHEMICAL AND PHYSICAL MEASUREMENTS OF DEBRIS FROM AN
UNDERGROUND NUCLEAR DETONATION (U), CIRCA 120 P (U)

.block

PNE 0229

.endblock

.block

copy: 1 id: 88891-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: PNE 0229P
AUTH: LANE W.B.
CLSS: U
CORP: NAVAL RADIOLOGICAL LAB. (SAN FRANCISCO, CA)
DATE: 6305
DESC: Nuclear Weapon Environment Fallout Particles size distribution L5
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra L1
DESC: Nuclear Weapon Environment radiation decay gamma decay L1
REPN: PNE 0229P
SHOT: SEDAN
TSHO: UG-VENTED
SUJO: 2-222-300 ; 2-223-200 ; 2-223-420
TITL: SOME RADIOCHEMICAL AND PHYSICAL MEASUREMENTS OF DEBRIS FROM AN
UNDERGROUND NUCLEAR DETONATION (U), 49 P., (U)

.block

PNE 0229P

.endblock

.block

copy: 1 id: 88892-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: PNE 0230
AUTH: VUILLEMOT F.L.
CLSS: U
CORP: NAVY/RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6301
DESC: Nuclear Weapon Phenomenology base surge L1
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Ground Shock craters excavations L1
DESC: nuclear test detection topographic changes L5
DESC: Nuclear RDT&E Research Program Descriptions blast shock programs L5
REPN: PNE 0230

SHOT: SEDAN
TSHO: UG-VENTED
SUJO: 2-224-120 ; 2-625-000 ; 4-110-000 ; 4-910-600
TITL: NAVAL AERIAL PHOTOGRAPHIC ANALYSIS (U), PROJECT SEDAN, FINAL REPORT,
51 P, (U)

.block

PNE 0230

.endblock

.block

copy: 1 id: 88893-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: PNE 0236
AUTH: TURNER F.B. ; MARTIN W.E.
CLSS: U
CORP: UNIVERSITY OF CALIFORNIA (LOS ANGELES-CA)
DATE: 6407
DESC: LONG RANGE OBSERVATION CLOSE IN FALLOUT ; EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation chronic
internal L1

REPN: PNE 0236

SHOT: SEDAN

TSHO: UG-VENTED

SUJO: 3-312-220

TITL: FOOD-CHAIN RELATIONSHIPS OF IODINE-131 IN NEVADA FOLLOWING THE SEDAN
TEST OF JULY 1962 (U), 54 P, (U)

.block

PNE 0236

.endblock

.block

copy: 1 id: 88898-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: PNE 0239
AUTH: ESSINGTON E.H. ; NISHITA H. ; STEEN A.J.
CLSS: U
CORP: UNIVERSITY OF CALIFORNIA (LOS ANGELES-CA)
DATE: 6410
DESC: Nuclear Weapon Environment radiation decay gamma decay L1
DESC: Nuclear Weapon Environment Fallout isotope concentrations L1
DESC: LATE TIME ; EXPERIMENTAL
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra L1
DESC: Nuclear Weapon Environment fallout redistribution L1

REPN: PNE 0239

SHOT: SEDAN

TSHO: UG-VENTED

SUJO: 2-223-100 ; 2-223-200 ; 2-223-420 ; 2-225-500

TITL: RELEASE AND MOVEMENT OF RADIONUCLIDES IN SOILS CONTAMINATED WITH
FALLOUT MATERIALS FROM AN UNDERGROUND THERMONUCLEAR DETONATION,
PROJECT SEDAN, PLOWSHARE PROGRAM (U), 27 P (U)

.block
PNE 0239

.endblock

.block
copy: 1 id: 88901-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: PNE 0240
AUTH: RICHARDS W.D.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (MERCURY-NV)
DATE: 6410
DESC: Nuclear Weapon Environment Ground Shock craters excavations L1
DESC: Environmental Conditions at Nuclear Weapon Test Site geology L1
DESC: Nuclear Weapon Environment Ground Shock heating thermoluminescence
transitions L1
DESC: UNDERGROUND OBSERVATION ; EXPERIMENTAL
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra L1
REPN: PNE 0240
SHOT: SEDAN
TSHO: UG-VENTED
SUJO: 2-223-200 ; 2-625-000 ; 2-629-000 ; 4-842-000
TITL: GEOLOGIC STUDY OF THE SEDAN NUCLEAR CRATER, PROJECT SEDAN, PLOWSHARE
PROGRAM (U) 27 P (U)

.block
PNE 0240

.endblock

.block
copy: 1 id: 88902-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: PNE 0241
AUTH: SEAL M.S. ; FOUNTAIN E.L.
CLSS: U
CORP: SOUTHWESTERN RADIOLOGICAL HEALTH LABORATORY
DATE: 6411
DESC: INTERMEDIATE RANGE OBSERVATION LONG RANGE OBSERVATION ; EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation chronic
internal L1 BEAGLE DOGS
DESC: Nuclear Test Simulation Field Programs experiment design medical L5
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra L5
DESC: Nuclear Weapon Environment Fallout isotope concentrations L1 I-131
REPN: PNE 0241
SHOT: SEDAN
TSHO: UG-VENTED
SUJO: 2-223-100 ; 2-223-200 ; 3-312-220 ; 4-827-000
TITL: IODINE INHALATION STUDY FOR PROJECT SEDAN (U), FINAL REPORT, PROJECT
SEDAN, PLOWSHARE, 47 P, (U)

.block
PNE 0241

.endblock

.block

copy: 1 id: 88903-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: PNE 0300
ADNO: 417659
AUTH: GRAVES E. ; WRAY W.R. ; PIERCE R.B.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6305
DESC: Nuclear Weapon Environment Ground Shock craters excavations L1
DESC: Environmental Conditions at Nuclear Weapon Test Site topography L5
DESC: Environmental Conditions at Nuclear Weapon Test Site weather L5
DESC: Nuclear Test Simulation Field Programs experiment design photography
L5
DESC: PRE-BUGGY CONVENTIONAL SIMULATION MULTIPLE BURST ; EXPERIMENTAL
DESC: Nuclear Weapon Environment fallout transfer L1
REPN: PNE 0300
TSHO: SURFACE
SUJO: 2-224-300 ; 2-625-000 ; 4-826-000 ; 4-841-000 ; 4-843-000
TITL: SCOPE OF CHEMICAL EXPLOSIVE CRATERING EXPERIMENT (U), PROJECT
PREBUGGY, 50 P(U)

.block

PNE 0300

.endblock

.block

copy: 1 id: 88905-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: PNE 0301
AUTH: WRAY W.R. ; PIERCE R.B.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6408
DESC: SIMULATION (HE)
DESC: Nuclear Weapon Environment Ground Shock craters excavations L5 P 17
DESC: Nuclear weapon safety explosions airblast structural shock impact
DESC: Nuclear Weapon Environment fallout from venting L1
DESC: Nuclear Weapon Environment fallout intensity contours patterns L1
REPN: PNE 0301
SHOT: PRE BUGGY
TSHO: UG-VENTED ; MULTIPLE
SUJO: 2-224-400 ; 2-225-100 ; 2-625-000 ; 4-838-300
TITL: VENTING MEASUREMENTS (U), PROJECT PRE-BUGGY, FINAL REPORT, 82 P, (U)

.block

PNE 0301

.endblock

.block

copy: 1 id: 88906-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: PNE 0304
AUTH: KNOX J.B. ; ROHRER R.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6309
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Phenomenology base surge
REPN: PNE 0304
SHOT: PRE BUGGY
TSHO: UG-VENTED
SUJO: 2-224-120
TITL: BASE SURGE ANALYSIS, OPERATION PLOWSHARE, PROJECT PRE-BUGGY, FINAL
REPORT (U),35 P (U)

.block

PNE 0304

.endblock

.block

copy: 1 id: 88908-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: PNE 0600
AUTH: NORDYKE M.D.
CLSS: U
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6412
DESC: Nuclear Weapon Environment Ground Shock motion strain fracture
displacement particle velocity L5
DESC: PLOWSHARE SIMULATION (HE) ; EXPERIMENTAL
DESC: Nuclear Weapon Environment Airblast static overpressure
OVERPRESSURE.L5
DESC: Nuclear Weapon Environment acoustic waves noise focusing L5
DESC: Nuclear Weapon Phenomenology cloud shape size L5
DESC: Nuclear Weapon Environment Ground Shock seismic measurements L5
DESC: Nuclear Weapon Environment Ground Shock craters excavations L1
REPN: PNE 0600
SHOT: DUGOUT ; DANNY BOY
TSHO: UG-VENTED ; MULTIPLE
SUJO: 2-224-140 ; 2-611-000 ; 2-617-000 ; 2-620-300 ; 2-621-000 ;
2-625-000
TITL: TECHNICAL DIRECTOR'S SUMMARY REPORT; PROJECT DUGOUT (U), 112 P., (U)

.block

PNE 0600

.endblock

.block

copy: 1 id: 88937-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: PNE 2000
AUTH: GRAVES E. ; NORDYKE M.D. ; CAUTHEN L.J. ; ET AL
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6409
DESC: Nuclear Test Simulation Field Programs experiment design ground
shock L5
DESC: Nuclear Weapon Environment Ground Shock craters excavations L5
DESC: Nuclear Weapon Environment Airblast static overpressure
OVERPRESSURE.L5
DESC: Nuclear Weapon Environment fallout intensity contours patterns L5
DESC: SUMMARY
DESC: Nuclear Energy Peaceful Applications excavation L1
REPN: PNE 2000
SUJO: 2-225-100 ; 2-611-000 ; 2-625-000 ; 3-481-000 ; 4-820-100
TITL: ISTHMIAN CANAL STUDIES--1964 (U), ANNEX III, APPENDIX, NUCLEAR
EXCAVATION PLAN, 60 P, (U)

.block

PNE 2000

.endblock

.block

copy: 1 id: 89020-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: PNE 2001
ADNO: 482853
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA) ; ARMY/ENGINEER
NUCLEAR CRATERING GROUP (LIVERMORE-CALIFORNIA) ; PANAMA CANAL
COMPANY (WASHINGTON-D.C.)
DATE: 6409
DESC: Nuclear Test Simulation Field Programs concepts capability
philosophy
DESC: Nuclear Weapon Environment Ground Shock groundwater effects
DESC: TABULAR EXPERIMENTAL
DESC: Nuclear Weapon Environment Ground Shock craters excavations
REPN: PNE 2001
SHOT: NEPTUNE ; ESS ; DANNY BOY ; SEDAN
TSHO: UG-VENTED
SUJO: 2-620-200 ; 2-625-000 ; 4-810-000
TITL: CONSTRUCTION OF AN ISTHMIAN SEA-LEVEL CANAL BY NUCLEAR METHODS,
ISTHMIAN CANALSTUDIES 1964, EXCAVATION WITH NUCLEAR EXPLOSIONS,
ENCLOSURE A TO ANNEX III TOAPPENDIX 1, NUCLEAR EXCAVATION PLAN (U),
63 P (U)

.block

PNE 2001

.endblock

.block

copy: 1 id: 89021-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: PNE 2002
AUTH: NORDYKE M.D. ; KELLER H.B. ; WILLIAMSON M.M.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6409
DESC: Nuclear Weapon Environment fallout intensity contours patterns
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra
DESC: Nuclear Weapon Effects on animals ionizing radiation
DESC: Nuclear Weapon Environment Fallout isotope concentrations
DESC: Nuclear Weapon Phenomenology cloud development rise
DESC: Nuclear Energy Peaceful Applications radiation problems L1
DESC: SUMMARY
DESC: Nuclear Test Simulation Field Programs experiment design engineering
layout performance program documents
DESC: Nuclear Test Simulation Field Programs concepts capability
philosophy
REPN: PNE 2002
SUJO: 2-223-100 ; 2-223-200 ; 2-224-100 ; 2-225-100 ; 3-312-000 ;
3-480-400 ; 4-810-000 ; 4-820-000
TEMP: 55524
TTTL: NUCLEAR EXPLOSIVES AND RADIOLOGICAL SAFETY, ISTHMIAN CANAL STUDIES
1964, APPENDIX 1, INCLOSURE B, (U), 50 P (SRD)

.block

PNE 2002

.endblock

.block

copy: 1 id: 89022-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: PNE 2003
AUTH: CAUTHEN L.J. ; KORVER J.A. ; REED J.W.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6409
DESC: Nuclear Weapon Environment Airblast static overpressure
OVERPRESSURE.L5
DESC: Nuclear Weapon Environment Ground Shock motion strain fracture
displacement particle velocity L5
DESC: Nuclear Weapon Environment Ground Shock throwout projectiles L5
DESC: Nuclear Weapon Test safety L5
DESC: SUMMARY
DESC: Nuclear Energy Peaceful Applications excavation L1
REPN: PNE 2003
SUJO: 2-611-000 ; 2-621-000 ; 2-626-000 ; 3-481-000 ; 4-856-000
TTTL: ISTHMIAN CANAL PLANS--1964 (U), ANNEX III, APPENDIX 1, INCLOSURE C,
SAFETY EVALUATION FOR AIR BLAST, GROUND SHOCK, THROWOUT, AND DUST,
33 P, (U)

.block

PNE 2003

.endblock

.block

copy: 1 id: 89023-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: POIR 2013 1
AUTH: KINCH J.W. ; JENKINS R.W. JR.
CLSS: SRD 1
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD ARSENAL-MD)
DATE: 6302
REPN: POIR 2013 1
TEMP: 29955
TITL: GAMMA RADIATION MEASUREMENTS, OPERATION DOMINIC, FISH BOWL SERIES,
PROJECT OFFICERS INTERIM REPORT, PROJECT 2.2 (U), 22 P (SRD)

.block

POIR 2013 1

.endblock

.block

copy: 1 id: 89170-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: POIR 2023
AUTH: Dickson F.H. ; Silberstein R. ; Stammer R.W. ; Hicks R.F.
CLSS: SRD 1
CORP: Army Signal Radio Propagation Agency (Ft. Monmouth, NJ)
DATE: 6302
REPN: POIR 2023
TEMP: 31363
TITL: Effects of Thermonuclear Radiation on the Ionosphere, Operation
Dominic, Fish Bowl Series, Project Officers Interim Report, Project
6.5d (U), 150 P (SRD)

.block

POIR 2023

.endblock

.block

copy: 1 id: 89185-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: POIR 2037
AUTH: ADAMS F.D. ; ANNIS M. ; ANDERSON O.R. ; ASHLEY L.E. ; CARPENTER J.W.
; CICERO A.B. ; COBB C.M. ; DECAPRIO A.R. ; FAHRENHOLZ F.E. ;
FRYKLUND G.G. ; HARMON H.F. ; TAYLOR J.R. ; VRABLIK G.R. ; WILFERT
A. ; WILLIAMS E.C.
CLSS: SRD 1
CORP: AIR FORCE/AERONAUTICAL SYSTEMS DIVISION(WRIGHT-PATTERSON AFB-OH)
AMERICAN SCIENCE AND ENGINEERING INCORPORATED (CAMBRIDGE-MA)
DATE: 6301
REPN: POIR 2037
TEMP: 29713
TITL: STRUCTURAL RESPONSE TO THERMAL RADIATION FROM HIGH-ALTITUDE
FIREBALL, OPERATION DOMINIC, FISH BOWL SERIES, PROJECT OFFICERS

INTERIM REPORT, PROJECT 8A.3 (U), 300 P (SRD)

.block

POIR 2037

.endblock

.block

copy: 1 id: 89209-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POIR 2500 1

ABS: Operation Roller Coaster was a research program devoted to the study of plutonium-bearing devices in different environs. The principal and several objectives were to investigate by exposure of animals to precisely measured aerosols the biological hazard of plutonium, to evaluate the effectiveness of earth covered storage structures in reducing the radiological hazard, and to improve mathematical cloud models by which to forecast the areal extent of plutonium dispersed, and the magnitude of radiological exposure likely from any given accident situation.

ADNO: 366123L

AUTH: DICK J.L. ; SHREVE J.D. ; IVESON J.S.

CLSS: C

CORP: DEFENSE NUCLEAR AGENCY (WASH., DC)

DATE: 6309

DESC: test instruments nuclear radiation proton alpha heavy particle L5

DESC: EXPERIMENTAL

DESC: test instruments nuclear radiation fallout debris sampling
collectors L5

DESC: Nuclear weapon safety radiological L1

DESC: Nuclear Weapon Environment fallout intensity contours patterns L1

REPN: POIR 2500 V.1

SHOT: DOUBLE TRACKS ; CLEAN SLATE 1 ; CLEAN SLATE 2 ; CLEAN SLATE 3

TSHO: SURFACE

SUJO: 2-225-100 ; 4-343-000 ; 4-345-000 ; 4-838-100

TEMP: B8290 V.1

TITL: OPERATION ROLLER COASTER; INTERIM SUMMARY REPORT (U), 100 P., (C)

.block

POIR 2500 1

.endblock

.block

copy: 1 id: 89268-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POIR 2500 2

ABS: This is Volume 2 of the interim summary report for operation Roller Coaster, conducted in Nevada during the spring and summer of 1963. This Volume contains individual reports from all projects that participated in the operation.

ADNO: 366124L

CLSS: C

CORP: DEFENSE ATOMIC SUPPORT AGENCY (ALBUQUERQUE-NEW MEXICO)

DATE: 6309
DESC: test instruments nuclear radiation fallout debris sampling
collectors
DESC: EXPERIMENTAL
DESC: Nuclear weapon safety radiological
REPN: POIR 2500 (2)
TSHO: SURFACE
SUJO: 4-345-000 ; 4-838-100
TEMP: 77526
TITL: INTERIM SUMMARY REPORT APPENDIXES, VOLUME 2, OPERATION ROLLER
COASTER, PROJECT OFFICERS INTERIM REPORT (U), 684 P (C)
TNFF: 8859

.block

POIR 2500 2

.endblock

.block

copy: 1 id: 89269-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 1819
ADNO: 419777L
AUTH: POWELL W.G. ; WILSEY E.F.
CLSS: U
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD ARSENAL-MARYLAND)
DATE: 6303
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra
DESC: Environmental Conditions at Nuclear Weapon Test Site weather
DESC: EXPERIMENTAL
DESC: test instruments nuclear radiation dosimeters radiacs
DESC: test instruments nuclear radiation gamma
DESC: Nuclear Test Simulation Field Programs experiment design fallout
radioactivity
DESC: Nuclear Weapon Phenomenology cloud shape size
REPN: POR 1819 ; WT 1819
SHOT: DANNY BOY
TSHO: UG-VENTED
SUJO: 2-223-200 ; 2-224-140 ; 4-341-000 ; 4-346-000 ; 4-821-000 ;
4-841-000
TITL: ON-SITE FALLOUT FROM A PARTIALLY CONTAINED NUCLEAR BURST IN A HARD
MEDIUM, OPERATION NOUGAT, PROJECT DANNY BOY, PROJECT OFFICERS
REPORT, PROJECT 2.5 (U), 100 P (U)

.block

POR 1819

.endblock

.block

copy: 1 id: 89358-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 1846
ADNO: 348113L

AUTH: RUBIN S. ; BAILEY L.E. ; FARRAND W.B. ; HALLIDAY F.D. ; SOFTKY S.D.
 ; VINCENT C.T. ; WITHERLY T.D.
 CLSS: SRD 1
 CORP: STANFORD RESEARCH INSTITUTE (MENLO PARK-CA)
 DATE: 6402
 DESC: Nuclear Weapon Environment X-ray Output rate
 DESC: Nuclear Test Simulation Field Programs experiment design x-ray
 experiments
 DESC: Nuclear RDT&E Research Program Descriptions x-ray effects L1
 DESC: X-RAY ; EXPERIMENTAL DATA THEORY
 DESC: Nuclear Weapon Environment X-ray Output source strength total
 intensity L1
 DESC: Nuclear Weapon Environment X-ray Output energy spectrum L1
 DESC: test instruments x-ray effects L1
 DESC: Cross Sections x-ray
 DESC: test instruments thermal temperature L1
 REPN: POR 1846 ; WT 1846
 SHOT: MARSHMALLOW
 TSHO: UG-CONTAINED
 SUJO: 1-610-000 ; 1-620-000 ; 1-640-000 ; 4-130-000 ; 4-330-000 ;
 4-384-000 ; 4-820-500 ; 9-840-000
 TEMP: 41498
 TITL: RADIATION MEASUREMENTS ON MARSHMALLOW, OPERATION NOUGAT, SHOT
 MARSHMALLOW (U),451 P, (SRD)
 TREE: 930
 .block
 POR 1846
 .endblock
 .block
 copy: 1 id: 89362-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: POR 1849
 ADNO: 345099L
 AUTH: SAWYER J.A. ; HERSHEY T.L. ; WELCH J.A. ; GOTTSCHALK W.M.
 CLSS: SRD-1
 CORP: AIR FORCE/WEAPONS LAB (KIRTLAND AFB-NM) RADIO CORPORATION OF AMERICA
 (MOORESTOWN-NJ)
 DATE: 6310
 DESC: Nuclear Test Simulation Field Programs experiment design aerospace
 systems
 DESC: Nuclear Weapon Effects reentry systems RV
 DESC: Nuclear Weapon Effects materials metals alloys L1 GOLD IRON
 DESC: Nuclear Weapon Effects materials plastics resins L1 TEFLON NYLON
 PHENOLIC
 DESC: Radiation Transport x-ray
 DESC: test instruments EM propagation atmospheric chemistry direct probes
 DESC: Nuclear Weapon Environment Prompt Neutron time of flight
 DESC: SIMULATION (E BEAM) ; EXPERIMENTAL
 DESC: Nuclear Weapon Environment Initial Gamma
 DESC: test instruments nuclear radiation beta electron beams
 EFFT: X-RAY

REPN: POR 1849 ; WT 1849
SHOT: DES MOINES ; MARSHMALLOW
TSHO: UG-CONTAINED
SUJO: 1-150-000 ; 1-750-000 ; 3-113-000 ; 3-243-000 ; 3-244-000 ;
4-327-000 ; 4-344-000 ; 4-829-100 ; 9-640-000
SYMJ: MOORESTOWN, NEW JERSEY
TEMP: 49040
TITL: TIME AND SPACE HISTORY OF FRONT SURFACE BLOWOFF, OPERATION NOUGAT,
SHOT MARSHMALLOW, PROJECT 832.1, PROJECT OFFICERS REPORT (U), 122 P,
(SRD)

.block

POR 1849

.endblock

.block

copy: 1 id: 89365-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2007
AUTH: MURRAY W.W.
CLSS: SRD 1
CORP: DAVID TAYLOR MODEL BASIN (WASHINGTON-DC)
DATE: 6301
DESC: Environmental Conditions at Nuclear Weapon Test Site L1
DESC: Nuclear Weapon Effects missile systems tactical L5 BLAST AND SHOCK
DESC: Nuclear Weapon Environment radiation decay L1
DESC: Nuclear Weapon Phenomenology plumes spray domes L1
DESC: Nuclear Weapon Information L1
DESC: Nuclear Weapon Environment Water Shock L1
DESC: ASROC ; SUMMARY
DESC: Nuclear Weapon Effects ship systems surface ships L1 BLAST AND SHOCK

FALLOUT

DESC: Nuclear Weapon Environment fallout transport L1
DESC: Nuclear Test Simulation Field Programs concepts capability
philosophy L1

REPN: POR 2007 ; WT 2007
SHOT: SWORDFISH
TSHO: UW
SUJO: 2-223-400 ; 2-224-130 ; 2-224-200 ; 2-630-000 ; 3-112-300 ;
3-122-000 ; 4-810-000 ; 4-830-000 ; 4-840-000
TEMP: B8789 ; A9982 ; 39898
TITL: SCIENTIFIC DIRECTORS SUMMARY REPORT, OPERATION DOMINIC, SHOT SWORD
FISH (U), 276 P, (SRD)

.block

POR 2007

.endblock

.block

copy: 1 id: 89389-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2012

ADNO: 346369
 AUTH: KINCH J.W.
 CLSS: SRD-1
 CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD ARSENAL-MARYLAND)
 DATE: 6312
 DESC: test instruments nuclear radiation neutron
 DESC: Nuclear Weapon Environment Prompt Neutron source strength total
 fluence
 DESC: POD B-1 POD B-2 POD B-3 POD K-1 POD S-1 POD S-2 POD S-3 ;
 EXPERIMENTAL
 DESC: Nuclear Test Simulation Field Programs experiment design gamma
 experiments
 DESC: Nuclear weapon test yield
 DESC: test instruments nuclear radiation gamma
 DESC: Nuclear weapon test timing position firing data
 REPN: POR 2012 ; WT 2012
 SHOT: BLUEGILL ; KINGFISH ; STARFISH
 TSHO: HI-ALT
 SUJO: 1-110-000 ; 4-341-000 ; 4-342-000 ; 4-820-400 ; 4-834-000 ;
 4-835-000
 TEMP: B8792 ; 51190
 TITL: EXTERNAL NEUTRON FLUX MEASUREMENTS, OPERATION DOMINIC, FISH BOWL
 SERIES, PROJECT 2.1, PROJECT OFFICERS REPORT (U), 46 P (SRD)
 TREE: 920
 .block
 POR 2012
 .endblock
 .block
 copy: 1 id: 89391-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: POR 2013
 ADNO: 346548
 AUTH: KINCH J.W. ; JENKINS R.W.
 CLSS: SRD-1
 CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD ARSENAL-MARYLAND)
 DATE: 6312
 DESC: POD S-1 POD S-2 POD S-3 POD B-1 POD B-2 POD B-3 POD K-1 POD K-2 ;
 EXPERIMENTAL
 DESC: Nuclear Test Simulation Field Programs experiment design gamma
 experiments
 DESC: Nuclear Weapon Environment Prompt Neutron source strength total
 fluence
 DESC: test instruments nuclear radiation dosimeters radiacs
 DESC: Nuclear Weapon Environment Initial Gamma source strength total
 intensity
 REPN: POR 2013 ; WT 2013
 SHOT: STARFISH ; BLUEGILL ; KINGFISH
 TSHO: HI-ALT
 SUJO: 1-110-000 ; 1-710-000 ; 4-346-000 ; 4-820-400
 TEMP: B8793 ; 51191
 TITL: GAMMA RADIATION MEASUREMENTS, OPERATION DOMINIC, FISH BOWL SERIES,

PROJECT 2.2, PROJECT OFFICERS REPORT (U), 64 P (SRD)

TREE: 910

.block

POR 2013

.endblock

.block

copy: 1 id: 89392-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2016

AUTH: HILL J.H. ; CHISUM G.T. ; RICHARDSON R.A.

CLSS: SRD 1

CORP: NAVY/NAVAL AIR DEVELOPMENT CENTER (JOHNSVILLE-PA) ; OMNITECH
INCORPORATED (SUNVALLEY-CA)

DATE: 6408

DESC: EXPERIMENTAL

DESC: Nuclear Test Simulation Field Programs experiment design optical
radiation experiments UV visible IR L5

DESC: Nuclear Weapon Environment Visible Output rate L1

DESC: Nuclear Weapon Effects on animals thermal ocular effects L1 FLASH
BLINDNESS

REPN: POR 2016 ; WT 2016

PROJ: 4.2

SHOT: RINCONADA ; DULCE ; BLUESTONE ; SUNSET ; PAMLICO ; PETIT ; OTOWI ;
BIGHORN

TSHO: LOW-ALT

SUJO: 1-440-000 ; 3-313-200 ; 4-820-600

TEMP: B8798 ; 41306

TITL: PHOTOELECTRIC AND PSYCHOPHYSICAL MEASURES OF WEAPON FLASHES,
OPERATION DOMINIC, CHRISTMAS SERIES, PROJECT OFFICERS REPORT,
PROJECT 4.2 (U), 26 P (SRD)

.block

POR 2016

.endblock

.block

copy: 1 id: 89395-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2018 2

AUTH: BERNING W.W.

CLSS: SRD

CORP: ARMY/BALLISTIC RESEARCH LABORATORIES (ABERDEEN-MARYLAND)

DATE: 6410

DESC: Nuclear Weapon Phenomenology Fireball Chemistry L1

DESC: Nuclear Weapon Environment Initial Gamma source strength total
intensity L1

DESC: test instruments nuclear radiation beta electron beams L1

DESC: test instruments EM propagation atmospheric chemistry radar L1

DESC: EXTRA STRATOSPHERIC OBSERVATION ROCKET OBSERVATION ; EXPERIMENTAL
THEORY

DESC: Nuclear Weapon Environment X-ray Output energy spectrum L1
DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse width L1
DESC: test instruments nuclear radiation gamma L1
DESC: Nuclear Weapon Phenomenology Atmospheric Ionization Chemistry
general descriptions L1
DESC: Nuclear Weapon Environment X-ray Output source strength total
intensity L1
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1
DESC: Nuclear Weapon Environment Initial Gamma energy spectrum L1
REPN: POR 2018 2 ; WT 2018 2
PROJ: 6.3
SHOT: STARFISH ; CHECKMATE ; KINGFISH ; TIGHTROPE ; BLUEGILL
TSHO: HI-ALT
SUJO: 1-610-000 ; 1-620-000 ; 1-710-000 ; 1-720-000 ; 1-740-000 ;
2-160-000 ; 2-212-000 ; 2-213-000 ; 2-311-000 ; 4-321-000 ;
4-341-000 ; 4-344-000
TEMP: B8802 ; A9145 ; 41778
TITL: D-REGION PHYSICAL CHEMISTRY, OPERATION DOMINIC, FISH BOWL SERIES,
PROJECT OFFICERS REPORT, PROJECT 6.3, VOLUME 2 (U), 315 P (SRD)

.block

POR 2018 2

.endblock

.block

copy: 1 id: 89400-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2023
AUTH: DICKSON F.H. ; SILBERSTEIN R. ; STAMMER R.W. ; HICKS R.F.
CLSS: C 3
CORP: ARMY/SIGNAL RADIO PROPAGATION AGENCY (FORT MONMOUTH-NJ)
DATE: 6402
DESC: Nuclear Weapon Phenomenology Atmospheric Ionization Chemistry
general descriptions L1
DESC: Nuclear Weapon Effects Communications Systems MF HF L1
DESC: Nuclear Test Simulation Field Programs experiment design atmospheric
ionization RF propagation noise L5
DESC: Nuclear Weapon Effects EM Propagation absorption blackout L1
DESC: HF ; JOHNSTON ISLAND KWAJALEIN ; EXPERIMENTAL
REPN: POR 2023 ; WT 2023
PROJ: 62fb06.5D ; DASIAC holds ionograms the pinwheel strip charts have
been destroyed ; DASIAC also holds vertical ionograms collected by
the Signal Radio Prop. Agency from Adak, Okinawa, American Samoa,
Ft. Monmouth, and Thule for Starfish only which are not referred to
in this report these are 62fbRPA
SHOT: STARFISH ; KINGFISH ; CHECKMATE ; TIGHTROPE ; BLUEGILL
TSHO: HI-ALT
SUJO: 2-311-000 ; 2-321-100 ; 2-322-200 ; 4-823-000
TEMP: B8810 ; A9166 ; 37952
TITL: EFFECTS OF NUCLEAR RADIATION ON THE IONOSPHERE, OPERATION DOMINIC,

FISH BOWL SERIES, PROJECT OFFICERS REPORT, PROJECT 6.5D (U), 226 P
(C)(U), 49 P, (C)

.block

POR 2023

.endblock

.block

copy: 1 id: 89409-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2032 1

AUTH: HAGEFSTRATION J.E.

CLSS: SFRD

CORP: ARMY/MISSILE COMMAND (REDSTOND ARSENAL-AL) ; RADIO CORPORATION OF
AMERICA (MOORESTOWN-NJ) ; BARNES ENGINEERING COMPANY (STAMFORD-CT)

DATE: 6405

DESC: Nuclear Test Simulation Field Programs experiment design optical
radiation experiments UV visible IR L5

DESC: Nuclear Weapon Effects EM Propagation scintillation jitter L1

DESC: Nuclear Weapon Environment Induced Synchrotron Noise L1

DESC: reflection clutter fireball disturbed ionosphere L1

DESC: Nuclear Test Simulation Field Programs experiment design atmospheric
ionization RF propagation noise L5

DESC: Nuclear Weapon Environment Visible Output rate L9 P 136

DESC: Visible Output energy spectrum L9 P 136

DESC: Fireball Dimensions Rise Rates L9 P 136

DESC: UHF ; DAMP (SHIP) ; EXPERIMENTAL

REPN: POR 2032 V 1 ; WT 2032 V 1

PROJ: 62fb06.13 ; DASAIC holds instrumentation records

SHOT: STARFISH ; TIGHTROPE ; CHECKMATE ; BLUEGILL ; KINGFISH

TSHO: HI-ALT

SUJO: 1-420-000 ; 1-440-000 ; 2-110-000 ; 2-321-310 ; 2-321-700 ;

2-420-000 ; 4-820-600 ; 4-823-000

TEMP: B9052 V.1 ; A9171 ; 39520

TITL: RF MEASUREMENTS AND OPTICAL MEASUREMENTS, SUMMARY, OPERATION
DOMINIC, FISH BOWL SERIES, PROJECT OFFICERS REPORT, PROJECT 6.13

.block

POR 2032 1

.endblock

.block

copy: 1 id: 89425-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2032 2

ADNO: 350637 \$ A955680 (SAN/MF)

AUTH: HAGEFSTRATION J.E.

CLSS: SFRD

CORP: ARMY/MISSILE COMMAND (REDSTONE ARSENAL-AL) ; RADIO CORPORATION OF
AMERICA (MOORESTOWN-NJ) ; BARNES ENGINEERING COMPANY (STAMFORD-CT)

DATE: 6405

DESC: test instruments EM propagation atmospheric chemistry radar L5

DESC: Nuclear Test Simulation Field Programs experiment design atmospheric
ionization RF propagation noise L1 UHF MICROWAVE
DESC: optical radiation experiments UV visible IR L1
DESC: UHF MICROWAVE ; DAMP SHIP ; EXPERIMENTAL
DESC: high-altitude debris L1
DESC: Nuclear Weapon Effects EM Propagation scintillation jitter L5
DESC: Nuclear Weapon Phenomenology High-Altitude auroras L9 P59
DESC: Nuclear Weapon Effects EM Propagation reflection clutter fireball
disturbed ionosphere L9 P59
REPN: POR 2032 V 2 ; WT 2032 V 2
PROJ: 62fb06.13
SHOT: STARFISH ; CHECKMATE ; BLUEGILL ; KINGFISH ; TIGHTROPE
TSHO: HI ALT
SUJO: 2-215-000 ; 2-321-100 ; 2-321-310 ; 2-321-700 ; 4-321-000 ;
4-820-600 ; 4-822-000 ; 4-823-000 ; 4-834-000 ; 4-835-000
TEMP: B9052 V.2 ; A9170 ; 39655
TITL: RF MEASUREMENTS AND OPTICAL MEASUREMENTS, SHOT STAR FISH PRIME,
OPERATION DOMINIC FISHBOWL SERIES, VOLUME 2(U), 180 P, (SFRD)

.block

POR 2032 2

.endblock

.block

copy: 1 id: 89426-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2032 3

AUTH: HAGEFSTRATION J.E.

CLSS: SFRD 1

CORP: ARMY/MISSILE COMMAND (REDSTONE ARSENAL-AL) ; RADIO CORPORATION OF
AMERICA (MOORESTOWN-NJ) ; BARNES ENGINEERING COMPANY (STAMFORD-CT)

DATE: 6405

DESC: UHF MICROWAVE OPTICAL ; DAMP SHIP ; EXPERIMENTAL

DESC: Nuclear Test Simulation Field Programs experiment design optical
radiation experiments UV visible IR L1

DESC: Nuclear Test Simulation Field Programs experiment design
high-altitude debris L1

DESC: test instruments EM propagation atmospheric chemistry radar L5

DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise Rates L5 NEAR
1R P82

DESC: atmospheric ionization RF propagation noise L1

REPN: POR 2032 V 3 ; WT 2032 V 3

PROJ: 62fb06.13

SHOT: CHECKMATE ; BLUEGILL ; KINGFISH ; TIGHTROPE

TSHO: HI ALT

SUJO: 2-110-000 ; 4-321-000 ; 4-820-600 ; 4-822-000 ; 4-823-000

TEMP: B9052 V.3 ; A9160 ; 39906

TITL: RF MEASUREMENTS AND OPTICAL MEASUREMENTS, SHOT CHECKMATE, OPERATION
DOMINIC FISH BOWL SERIES, VOL 3 (U), 163 P, (SFRD)

.block

POR 2032 3

.endblock

.block

copy: 1 id: 89427-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: POR 2032 4
AUTH: HAGEFSTRATION J.E.
CLSS: SFRD
CORP: ARMY/MISSILE COMMAND (REDSTONE ARSENAL-AL) ; RADIO CORPORATION OF
AMERICA (MOORESTOWN-NJ) ; BARNES ENGINEERING COMPANY (STAMFORD-CT)
DATE: 6408
DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise Rates L1
DESC: Nuclear Weapon Effects EM Propagation absorption blackout L9
DESC: Nuclear Weapon Effects EM Propagation reflection clutter fireball
disturbed ionosphere L9
DESC: Nuclear Weapon Effects EM Propagation scintillation jitter L5
DESC: Nuclear Test Simulation Field Programs experiment design
high-altitude debris L1
DESC: optical radiation experiments UV visible IR L1
DESC: atmospheric ionization RF propagation noise L1
DESC: Nuclear Weapon Phenomenology High-Altitude auroras L1
DESC: UHF MICROWAVE OPTICAL ; EXPERIMENTAL
REPN: POR 2032 V 4 ; WT 2032 V 4
PROJ: 62fb06.13
SUJO: 2-110-000 ; 2-215-000 ; 2-321-100 ; 2-321-310 ; 2-321-700 ;
4-321-000 ; 4-820-600 ; 4-822-000 ; 4-823-000 ; 4-834-000 ;
4-835-000
TEMP: B9052 V.4 ; A9156 ; 41488
TITL: RF MEASUREMENTS AND OPTICAL MEASUREMENTS, SHOT BLUE GILL TRIPLE
PRIME, OPERATION DOMINIC FISH BOWL SERIES, PROJECT 6.13, VOL 4 (U),
179 !P, (SFRD)

.block

POR 2032 4

.endblock

.block

copy: 1 id: 89428-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: POR 2032 5
AUTH: HAGEFSTRATION J.E.
CLSS: SFRD
CORP: ARMY/MISSILE COMMAND (REDSTONE ARSENAL-AL) ; RADIO CORPORATION OF
AMERICA (MOORESTOWN-NJ) ; BARNES ENGINEERING COMPANY (STAMFORD-CT)
DATE: 6410
DESC: Nuclear Weapon Effects EM Propagation scintillation jitter L5
DESC: Nuclear Test Simulation Field Programs experiment design atmospheric
ionization RF propagation noise L1
DESC: optical radiation experiments UV visible IR L1
DESC: test instruments EM propagation atmospheric chemistry radar L5
DESC: Fireball Dimensions Rise Rates L1
DESC: High-Altitude auroras L1
DESC: Nuclear Weapon Effects EM Propagation reflection clutter fireball

disturbed ionosphere L9

DESC: Nuclear Weapon Effects EM Propagation absorption blackout L9
DESC: UHF MICROWAVE OPTICAL ; DAMP SHIP ; EXPERIMENTAL
DESC: Nuclear Test Simulation Field Programs experiment design

high-altitude debris L1

REPN: POR 2032 V 5 ; WT 2032 V 5

PROJ: 62fb06.13

SHOT: KINGFISH ; TIGHTROPE

TSHO: HI ALT

SUJO: 2-110-000 ; 2-215-000 ; 2-321-100 ; 2-321-310 ; 2-321-700 ;
4-321-000

TEMP: B9052 V.5 ; A9148 ; 41835

TITL: RF MEASUREMENTS AND OPTICAL MEASUREMENTS, SHOT KING FISH, OPERATION
DOMINIC FISH BOWL SERIES, PROJECT 6.13 (U), 182 P, (SFRD)

.block

POR 2032 5

.endblock

.block

copy: 1 id: 89429-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2032 6

AUTH: HAGEFSTRATION J.E.

CLSS: SFRD

CORP: ARMY/MISSILE COMMAND (REDSTONE ARSENAL-AL) ; RADIO CORPORATION OF
AMERICA (MOORESTOWN-NJ) ; BARNES ENGINEERING COMPANY (STAMFORD-CT)

DATE: 6408

DESC: Nuclear Test Simulation Field Programs experiment design optical
radiation experiments UV visible IR L1

DESC: high-altitude debris L1

DESC: Nuclear Weapon Effects EM Propagation scintillation jitter L5

DESC: Nuclear Weapon Phenomenology High-Altitude auroras L9 P61

DESC: atmospheric ionization RF propagation noise L1

DESC: absorption blackout L5

DESC: test instruments EM propagation atmospheric chemistry radar L5

DESC: UHF MICROWAVE OPTICAL ; DAMP SHIP ; EXPERIMENTAL

DESC: Nuclear weapon test yield L5 P13+70

DESC: reflection clutter fireball disturbed ionosphere L9 P61

REPN: POR 2032 V 6 ; WT 2032 V 6

PROJ: 62fb06.13

SHOT: TIGHTROPE ; CHECKMATE ; BLUEGILL ; KINGFISH

TSHO: HI ALT

SUJO: 2-215-000 ; 2-321-100 ; 2-321-310 ; 2-321-700 ; 4-321-000 ;
4-820-600 ; 4-822-000 ; 4-823-000

TEMP: B9052 V.6 ; A9161 ; 41304

TITL: RF MEASUREMENTS AND OPTICAL MEASUREMENTS, SHOT TIGHT ROPE, OPERATION
DOMINIC, FISH BOWL SERIES, PROJECT 6.13, VOL 6 (U), 104 P, (SFRD)

.block

POR 2032 6

.endblock

.block

copy: 1 id: 89430-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: POR 2052
ADNO: 350735L
AUTH: SCHULTZ R.J. ; MCNULTY W.B.
CLSS: C
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD ARSENAL-MD) ;
ARMY/CHEMICAL CORPS SCHOOL (FORT MCCLELLAN-AL)
DATE: 6305
DESC: Nuclear weapon safety radiological
REPN: POR 2052 ; WT 2052
SUJO: 4-838-100
TEMP: B8854 ; 45727
TTTL: ALPHA CONTAMINATION MONITORING, OPERATION DOMINIC, FISH BOWL SERIES,
PROJECT OFFICERS REPORT, PROJECT 2.3 (U), 37 P (C)

.block

POR 2052

.endblock

.block

copy: 1 id: 89448-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: POR 2215
AUTH: LARIVIERE P.D. ; SARTOR J.D. ; LANE W.B. ; LARSON K.H.
CLSS: SRD
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA) ;
UNIVERSITY OF CALIFORNIA (LOS ANGELES-CA)
DATE: 6410
DESC: Nuclear Weapon Environment fallout intensity contours patterns L1
DESC: LOCAL FALLOUT INTERMEDIATE RANGE OBSERVATION LONG RANGE OBSERVATION
; EXPERIMENTAL
DESC: Nuclear Weapon Environment radiation decay gamma decay L1
DESC: Nuclear Weapon Environment Fallout Particles size distribution L1
DESC: Nuclear Test Simulation Field Programs experiment design fallout
radioactivity L5
DESC: Nuclear Weapon Environment fallout arrival time L1
DESC: Environmental Conditions at Nuclear Weapon Test Site weather L5
DESC: Nuclear weapon test device physical operation construction geometry
materials components L5
REPN: POR 2215 ; WT 2215
PROJ: 2.9
SHOT: SMALL BOY
TSHO: SURFACE
SUJO: 2-222-300 ; 2-223-420 ; 2-225-100 ; 2-225-300 ; 4-821-000 ;
4-836-000 ; 4-841-000
TEMP: B9949 ; 41833
TTTL: FALLOUT COLLECTION AND GROSS SAMPLE ANALYSIS, OPERATION SUN BEAM,
SHOT SMALL BOY, PROJECT OFFICERS REPORT, PROJECT 2.9 (U), 504 P
(SRD)

.block

POR 2215

.endblock

.block

copy: 1 id: 89483-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2216

ADNO: 354450L

AUTH: BUNNEY L.R., KAWAHARA F.K., FREILING E.C.

CLSS: SRD 1

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)

DATE: 6410

DESC: Nuclear Weapon Environment Fallout isotope concentrations L1

DESC: Nuclear Weapon Environment Fallout gamma intensities spectra L1

DESC: Nuclear Weapon Environment fallout fractionation L1

DESC: Nuclear Weapon Environment Fallout Particles chemical composition

solubility L1

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Environment Fallout Particles size distribution L1

DESC: Nuclear Test Simulation Field Programs experiment design fallout

radioactivity L5

REPN: POR 2216 ; WT 2216

PROJ: 2.10

SHOT: SMALL BOY

TSHO: GROUND SURFACE DETONATION

SUJO: 2-222-100 ; 2-222-300 ; 2-223-100 ; 2-223-200 ; 2-223-500 ;

4-821-000

TEMP: B9950 ; 41831

TITL: PHYSICOCHEMICAL AND RADIO-CHEMICAL ANALYSIS, OPERATION SUN BEAM,

SHOT SMALL BOY, PROJECT OFFICERS REPORT, PROJECT 2.10 (U), 229 P

(SRD)

.block

POR 2216

.endblock

.block

copy: 1 id: 89484-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2217

AUTH: LARIVIERE P.D. ; LEE H. ; LARSON K.H.

CLSS: CFRD

CORP: NAVY/RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA) ; UNIVERSITY
OF CALIFORNIA (LOS ANGELES-CA)

DATE: 6400

DESC: Nuclear Test Simulation Field Programs experiment design fallout

radioactivity L5

DESC: Nuclear Weapon Environment fallout arrival time L1

DESC: Nuclear Weapon Environment Fallout gamma intensities spectra L1

DESC: LOCAL FALLOUT GROUND SURFACE OBSERVATION INTERMEDIATE RANGE
OBSERVATION LONG RANGE OBSERVATION ; EXPERIMENTAL

REPN: POR 2217 ; WT 2217
PROJ: 2.11
SHOT: SMALL BOY
SUJO: 2-223-200 ; 2-225-300 ; 4-821-000
TEMP: B9951 ; 39161
TITL: IONIZATION RATE MEASUREMENTS, OPERATION SUN BEAM, SHOT SMALL BOY,
PROJECT OFFICERS REPORT, PROJECT 2.11 (U), 181 P (CFRD)

.block

POR 2217

.endblock

.block

copy: 1 id: 89485-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2219
ADNO: 344644
AUTH: SCHUMCHYK M.J. ; CRISCO C.
CLSS: C-3
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD ARSENAL-MARYLAND)
DATE: 6310
DESC: Nuclear Test Simulation Field Programs experiment design fallout
radioactivity
DESC: test instruments nuclear radiation fallout debris sampling
collectors
DESC: Nuclear Weapon Environment fallout arrival time
DESC: Nuclear Weapon Environment fallout intensity contours patterns
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra
REPN: POR 2219 ; WT 2219
SHOT: SMALLBOY
TSHO: SURFACE
SUJO: 2-223-200 ; 2-225-100 ; 2-225-300 ; 4-345-000 ; 4-821-000
TEMP: B9952 ; B8545
TITL: DEVELOPMENT AND EVALUATION OF A FALLOUT COLLECTOR, OPERATION SUN
BEAM, SHOT SMALL BOY, PROJECT OFFICERS REPORT, PROJECT 2.13 (U), 52
P (C)

.block

POR 2219

.endblock

.block

copy: 1 id: 89487-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2220
ADNO: 423239
AUTH: SHUMWAY B.W. ; TOMOEDA S. ; FRANK A.L.
CLSS: O
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6304
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra L1

DESC: Cross Sections gamma L1 STEEL
DESC: EXPERIMENTAL
REPN: POR 2220 ; WT 2220
PROJ: 2.41
SHOT: SMALL BOY
TSHO: SURFACE
SUJO: 2-223-200 ; 9-830-000
TITL: SHIELDING EFFECTIVENESS OF COMPARTMENTED STRUCTURES IN A FALLOUT
FIELD, OPERATION SUN BEAM, SHOT SMALL BOY, PROJECT OFFICERS REPORT
TREE: 411

.block

POR 2220

.endblock

.block

copy: 1 id: 89488-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2229
ADNO: 344899L
AUTH: KRONENBERG S. ; MARKOW B. ; BALTON I.A.
CLSS: SRD-1
CORP: ARMY/ELECTRONICS LABS (FT MONMOUTH-NJ)
DATE: 6310
DESC: Nuclear Weapon Environment Initial Gamma source strength total
intensity
DESC: Nuclear Weapon Environment Prompt Neutron source strength total
fluence
DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse width
DESC: test instruments nuclear radiation gamma
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra
DESC: Nuclear Test Simulation Field Programs experiment design gamma
experiments
REPN: POR 2229 ; WT 2229
SHOT: SMALLBOY
TSHO: SURFACE
SUJO: 1-110-000 ; 1-710-000 ; 1-740-000 ; 2-223-200 ; 4-341-000 ;
4-820-400

TEMP: 49041

TITL: MEASUREMENT OF GAMMA DOSE RATE AS A FUNCTION OF TIME, OPERATION SUN
BEAM, SHOTSMALL BOY, PROJECT 6.4, PROJECT OFFICERS REPORT (U), 104 P
(SRD)

TREE: 910

.block

POR 2229

.endblock

.block

copy: 1 id: 89497-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2235
AUTH: JONES M.S. JR. ; PROUTY T.P. ; WHARTON C.B. ; KATZ J.E.
CLSS: SRD 1
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA) ; MHD RESEARCH
INCORPORATED (NEWPORT BEACH-CA)
DATE: 6305
DESC: Nuclear Weapon Phenomenology ionization mechanisms chemistry initial
gamma L1
DESC: Nuclear Test Simulation Field Programs experiment design atmospheric
ionization RF propagation noise L5
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Induced Atmospheric Electrostatic Fields
L1
EMPF: 251
REPN: POR 2235 ; WT 2235
PROJ: 6.11
SHOT: SMALL BOY
TSHO: SURFACE
SUJO: 2-312-200 ; 2-550-000 ; 4-823-000
TEMP: 33206
TITL: AIR CONDUCTIVITY MEASUREMENTS, OPERATION SUN BEAM, SHOT SMALL BOY,
PROJECT OFFICERS REPORT, PROJECT 6.11 (U), 145 P (SRD)

.block

POR 2235

.endblock

.block

copy: 1 id: 89503-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2239
AUTH: SYKES P.J.
CLSS: SRD 1
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NM)
DATE: 6404
DESC: Nuclear Weapon Effects electronic subsystems guidance control L1
DESC: GAMMA TRANSIENTS CONVENTIONAL SIMULATION ; EXPERIMENTAL
DESC: Nuclear Test Simulation Field Programs experiment design electrical
electronic cable noise instrumentation links L5
REPN: POR 2239 ; WT 2239
PROJ: 7.1.4
SHOT: SMALL BOY
TSHO: SURFACE
SUJO: 3-211-000 ; 4-829-500
TEMP: 39162
TITL: TRANSIENT RADIATION EFFECTS MEASUREMENTS ON GUIDANCE SYSTEMS
CIRCUITS, OPERATION SUN BEAM, SHOT SMALL BOY, PROJECT OFFICERS
REPORT, PROJECT 7.1.4 (U), 159 P(SRD)

TREE: 342

.block

POR 2239

.endblock

.block

copy: 1 id: 89506-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: POR 2240
ADNO: 339565L
AUTH: RIGGLE W.L. ; HENRY R.L. ; MORRIS B.E. ; STOKES J.R.
CLSS: SRD
CORP: ARMY/TANK AUTOMOTIVE CENTER (CENTER LINE-MICHIGAN) ; GD/FORT WORTH
DIVISION (FORT WORTH-TEXAS)
DATE: 6305
DESC: Nuclear Weapon Environment Prompt Neutron source strength total
fluence
DESC: Nuclear Weapon Environment Initial Gamma source strength total
intensity
DESC: test instruments nuclear radiation neutron
DESC: Nuclear Weapon Effects on animals ionizing radiation prompt
DESC: Nuclear Weapon Effects on animals blast shock pressure
DESC: Nuclear Weapon Effects land transport armored vehicles
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Airblast static overpressure OVERPRESSURE
IMPULSE
DESC: test instruments test hardware pressure stress
DESC: Nuclear Test Simulation Field Programs experiment design surface
vehicles structures)
REPN: POR 2240 ; WT 2240
SHOT: SMALLBOY
TSHO: SURFACE
SUJO: 1-110-000 ; 1-710-000 ; 2-611-000 ; 3-151-000 ; 3-311-100 ;
3-312-100 ; 4-311-000 ; 4-342-000 ; 4-829-200
TEMP: 51391
TITL: EXPERIMENTAL CONFIRMATION OF THEORETICAL DEVELOPMENT ON RADIOLOGICAL
ARMOR, OPERATION SUN BEAM, SHOT SMALL BOY, PROJECT OFFICERS REPORT,
PROJECT 7.2 (U), 84P (SRD)

.block
POR 2240
.endblock

.block
copy: 1 id: 89507-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: POR 2242
ADNO: 338968
AUTH: HICKSON E.G. JR. ; DIETRICH J.P.
CLSS: CFRD
CORP: ARMY/ELECTRONIC PROVING GROUND (FORT HUACHUCA-AZ)
DATE: 6306
DESC: test instruments nuclear radiation dosimeters radiacs L1
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra L1
DESC: Nuclear Test Simulation Field Programs experiment design fallout

radioactivity L5

DESC: Nuclear Weapon Environment fallout intensity contours patterns L1
REPN: POR 2242 ; WT 2242
PROJ: 7.6
SHOT: SMALL BOY
TSHO: SURFACE
SUJO: 2-223-200 ; 2-225-100 ; 4-346-000 ; 4-821-000
TEMP: 45513
TITL: FEASIBILITY EVALUATION OF AN AERIAL RADIAC SURVEY SYSTEM, OPERATION
SUN BEAM, SHOT SMALL BOY, PROJECT OFFICERS REPORT, PROJECT 7.6 (U),
71 P (CFRD)

.block

POR 2242

.endblock

.block

copy: 1 id: 89509-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2243
ADNO: 352801L
AUTH: HICKSON E.G. JR. ; FORROW D. ; CROFT A.M. ; MARTIN R.B. ; NIRSCHL J.
CLSS: C
CORP: ARMY/ELECTRONIC PROVING GROUND (FORT HUACHUCA-AZ) ; BRITISH ARMY
DIRECTORATE OF EQUIPMENT POLICY (LONDON-ENGLAND) ; ARMY EQUIPMENT
ENGINEERING ESTABLISHMENT(OTTAWA-CANADA) ; DEPARTMENT OF DEFENSE
(WASHINGTON-DC) ; ARMY/ELECTRONICS COMMAND (FORT MONMOUTH-NJ)
DATE: 6408
DESC: Nuclear Weapon Environment radiation decay gamma decay L1 LOCAL
FALLOUT, 22251 L1 LOCAL FALLOUT
DESC: EXPERIMENTAL
REPN: POR 2243 ; WT 2243
PROJ: 7.6.1
SHOT: SMALLBOY
TSHO: SURFACE
SUJO: 2-223-420
TEMP: 45628
TITL: EVALUATION OF AERIAL RADIAC MONITOR SYSTEMS FOR INTERIM TRIPARTITE
STANDARDIZATION, OPERATION SUN BEAM, SHOT SMALL BOY, PROJECT
OFFICERS REPORT PROJECT 7.6.1 (U), 209 P (C)

.block

POR 2243

.endblock

.block

copy: 1 id: 89510-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2247
AUTH: MAHONEY J.J. ; HARRIS L.H. ; HENNECKE H.J. ; CLAFLIN A.B. ; FEKETE
M.W.
CLSS: SRD

CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD ARSENAL-MD)
DATE: 6306
DESC: Nuclear Weapon Effects supply personnel protection equipment L5 FACE
MASK THERMAL
DESC: Nuclear Test Simulation Field Programs experiment design thermal L5
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Ultraviolet Output source strength total
intensity L1
DESC: Nuclear Weapon Environment Ultraviolet Output energy spectrum L1
DESC: Nuclear Weapon Environment Thermal Output source strength total
intensity L1
DESC: Environmental Conditions at Nuclear Weapon Test Site weather L9 P 34
REPN: POR 2247 ; WT 2247
PROJ: 7.10
SHOT: SMALLBOY
TSHO: LOW-ALT
SUJO: 1-210-000 ; 1-510-000 ; 1-520-000 ; 3-173-500 ; 4-820-700 ;
4-841-000
TEMP: 33433
TITL: SPECTRAL ANALYSIS WITH HIGH-TIME RESOLUTION OF THE THERMAL RADIATION
PULSE (U), OPERATION SUN BEAM, SHOT SMALL BOY, PROJECT OFFICERS
REPORT, 70 P, (SRD)

.block

POR 2247

.endblock

.block

copy: 1 id: 89514-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2248
ADNO: 337025
AUTH: STIRLING H.J. ; NELSON C.H. ; BRIZIUS C.
CLSS: CFRD 1
CORP: DEFENSE COMMUNICATIONS AGENCY (WASHINGTON-D.C.) ; ARMY/STRATEGIC
COMMUNICATIONS COMMAND (WASHINGTON-D.C.) ; NATIONAL CASH REGISTER
COMPANY (DAYTON-OH)
DATE: 6304
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers L1
DESC: BLAST AND SHOCK NUCLEAR RADIATION ; EXPERIMENTAL
DESC: Nuclear Weapon Effects Communications Systems C4 hardware optical
devices sensors IR detectors L1
REPN: POR 2248 ; WT 2248
PROJ: 7.12
SHOT: SMALL BOY
TSHO: SURFACE
SUJO: 3-133-000 ; 3-221-000
TEMP: 45508
TITL: NUCLEAR EFFECTS ON TELEVISION CAMERA INSTALLATIONS, OPERATION SUN
BEAM, SHOT SMALL BOY, PROJECT OFFICERS REPORT, PROJECT 7.12 (U), 47
P (CFRD)
TREE: 361

.block

POR 2248

.endblock

.block

copy: 1 id: 89515-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2251

ADNO: 348927L

AUTH: DUNSAVAGE W.P.

CLSS: SRD

CORP: AIR FORCE/SYSTEMS COMMAND (WRIGHT-PATTERSON AIR FORCE BASE-OH)

DATE: 6404

DESC: Nuclear Weapon Effects missile systems tactical

DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse width

DESC: Nuclear Weapon Environment Prompt Neutron source strength total

fluence

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic subsystems guidance control

DESC: Nuclear Weapon Environment Initial Gamma source strength total

intensity

EFFT: NUCLEAR RADIATION

REPN: POR 2251 ; WT 2251

SHOT: SMALLBOY

TSHO: SURFACE

SUJO: 1-110-000 ; 1-710-000 ; 1-740-000 ; 3-112-300 ; 3-211-000

TEMP: 45639

TITL: EFFECTS OF NUCLEAR RADIATION ON B-52/GAM-77 WEAPON SYSTEM, OPERATION
SUN BEAM,SHOT SMALL BOY, PROJECT OFFICERS REPORT, PROJECT 7.15 (U),
80 P (SRD)

TREE: 392

.block

POR 2251

.endblock

.block

copy: 1 id: 89518-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2261

AUTH: ETHRIDGE N.H.

CLSS: SRD 1

CORP: BALLISTIC RESEARCH LABORATORIES (ABERDEEN PROVING GROUND-MD)

DATE: 6409

DESC: Nuclear Weapon Effects land transport unhardened vehicles L1

DESC: Nuclear Weapon Effects land transport armored vehicles L1

DESC: CLOSE IN OBSERVATION BLAST AND SHOCK ; EXPERIMENTAL

DESC: Nuclear Weapon Effects on animals ionizing radiation L1

DESC: Nuclear Weapon Effects structures aboveground models L1

REPN: POR 2261 ; WT 2261

SHOT: LITTLE FELLER II

SUJO: 3-151-000 ; 3-152-000 ; 3-259-000 ; 3-312-000

TEMP: 41642

TITL: BLAST EFFECTS ON SIMPLE OBJECTS AND MILITARY VEHICLES, OPERATION SUN
BEAM, SHOT LITTLE FELLER II, PROJECT OFFICERS REPORT, PROJECT 1.3
(U), 94 P (SRD)

.block

POR 2261

.endblock

.block

copy: 1 id: 89521-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2264

ADNO: 339103L

AUTH: RIGOTTI E.L. ; MCNEILLY J.H. ; BRADY R.E. ; TARBOX J.L.

CLSS: SRD 1

CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD ARSENAL-MD)

DATE: 6306

DESC: CLOSE IN OBSERVATION, SURFACE OBSERVATION ; EXPERIMENTAL

DESC: test instruments nuclear radiation neutron L1, 111 L1

REPN: POR 2264 ; WT 2264

PROJ: 2.3

SHOT: LITTLE FELLER-I ; LITTLE FELLER-II ; FIG ; SMALLBOY ; JOHNNIE BOY

TSHO: SURFACE ; LOW-ALT

SUJO: 4-342-000

TEMP: 45603

TITL: NEUTRON FLUX MEASUREMENTS, OPERATION SUN BEAM, SHOTS LITTLE FELLER I
AND II, JOHNNIE BOY, AND SMALL BOY, PROJECT OFFICERS REPORT, PROJECT
2.3 (U), 111 P (SRD)

TREE: 920

.block

POR 2264

.endblock

.block

copy: 1 id: 89524-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2266

AUTH: BOUTON E.H. ; HARDIN L.M. ; WILSEY E.F. ; SHOWERS R.L. ; TOMPKINS
R.C. ; EGERLAND W.O. ; DOMBECK N.J.

CLSS: SRD

CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD ARSENAL-MD)

DATE: 6410

DESC: LOCAL FALLOUT INTERMEDIATE RANGE OBSERVATION LONG RANGE OBSERVATION
; EXPERIMENTAL TABULAR

DESC: Nuclear Test Simulation Field Programs experiment design fallout
radioactivity L5

DESC: Nuclear Weapon Environment Fallout gamma intensities spectra L1

DESC: Nuclear Weapon Environment fallout intensity contours patterns L1

DESC: Nuclear Weapon Environment radiation decay gamma decay L1

REPN: POR 2266 ; WT 2266
PROJ: 2.8
SHOT: LITTLE FELLER I ; LITTLE FELLER II ; JOHNNY BOY ; SMALL BOY
TSHO: SURFACE
SUJO: 2-223-200 ; 2-223-420 ; 2-225-100 ; 4-821-000
TEMP: 41832
TTTL: RADIOLOGICAL SURVEYS, OPERATION SUN BEAM, SHOTS LITTLE FELLER I, II,
JOHNNY BOY, AND SMALL BOY, PROJECT OFFICERS REPORT, PROJECT 2.8 (U),
271 P (SRD)

.block

POR 2266

.endblock

.block

copy: 1 id: 89526-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2267
ADNO: 344808L
AUTH: MORRIS P.J., CAREY H.R., HOFMANN F.L.
CLSS: SRD
CORP: ARMY/ENGINEER RESEARCH AND DEVELOPMENT LABORATORIES (FORT
BELVOIR-VA)

DATE: 6310

DESC: Nuclear Weapon Environment radiation decay gamma decay L1 LOCAL
FALLOUT

DESC: EXPERIMENTAL

REPN: POR 2267 ; WT 2267

PROJ: 2.16

SHOT: LITTLE FELLER-II

TSHO: SURFACE

SUJO: 2-223-420

TEMP: 45637

TTTL: RESIDUAL RADIATION IN THE CRATER AND CRATER-LIP AREA OF LOW-YIELD
NUCLEAR DEVICES, OPERATION SUN BEAM, SHOTS LITTLE FELLER II AND
JOHNNIE BOY, PROJECT OFFICERS REPORT, PROJECT 2.16 (U), 69 P (SRD)

.block

POR 2267

.endblock

.block

copy: 1 id: 89527-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2268
ADNO: 345030
AUTH: HALLMAN T.M.
CLSS: SRD
CORP: NORTHROP/NORTRONICS (NEWBURY PARK-CA)
DATE: 6304
DESC: Nuclear Weapon Environment Prompt Neutron source strength total
fluence

DESC: Nuclear Weapon Environment Initial Gamma source strength total
intensity
DESC: Nuclear Weapon Effects materials plastics resins L1 EPOXY TEFLON CNP
GFP AV 19
DESC: Nuclear Weapon Effects electronic subsystems guidance control
DESC: Nuclear Weapon Effects materials metals alloys L1 AU PB SN ZN CU NI
FE AL PLATINUM
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes
silicon-controlled rectifiers
DESC: Nuclear Weapon Effects electronic subsystems analysis circuit
network
EFFT: TREE ; X-RAY
REPN: POR 2268 ; WT 2268
SHOT: LITTLE FELLER-II
TSHO: SURFACE
SUJO: 1-110-000 ; 1-710-000 ; 3-211-000 ; 3-219-000 ; 3-221-000 ;
3-243-000 ; 3-244-000
TEMP: 45640
TITL: TRANSIENT RADIATION EFFECTS MEASUREMENTS, GUIDANCE SYSTEMS CIRCUITS
AND PIECE PARTS, OPERATION SUN BEAM, SHOT LITTLE FELLER II, PROJECT
OFFICERS REPORT, PROJECT 2.17 (U), 146 P (SRD)

TREE: 342

.block

POR 2268

.endblock

.block

copy: 1 id: 89528-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2269
ADNO: 345006
AUTH: SCHUMCHYK M.J.
CLSS: U (DECLASSD)
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD ARSENAL-MD)
DATE: 6304
DESC: Nuclear Weapon Environment radiation decay gamma decay
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra
DESC: Nuclear Weapon Environment fallout intensity contours patterns
DESC: Nuclear Weapon Environment fallout arrival time
REPN: POR 2269 ; WT 2269
SHOT: LITTLE FELLER-II ; JOHNNIE BOY
TSHO: SURFACE
SUJO: 2-223-200 ; 2-223-420 ; 2-225-100 ; 2-225-300
TEMP: 45698 ; B9195
TITL: TRANSIT RADIATION DOSE RATE, OPERATION SUN BEAM, SHOTS LITTLE FELLER
II AND JOHNNIE BOY, PROJECT OFFICERS REPORT, PROJECT 2.20 (U), 119 P
(CFRD)

.block

POR 2269

.endblock

.block

copy: 1 id: 89529-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2272
AUTH: BUTLER K.L.
CLSS: C
CORP: NAVAL MISSILE CENTER (POINT MUGU, CA)
DATE: 6409
DESC: Nuclear Test Simulation Field Programs experiment design EMP earth
currents geomagnetic effects L5
DESC: AIRCRAFT ; EXPERIMENTAL
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse EMP L1
TROPOSPHERIC OBSERVATION
EMPF: 213
REPN: POR 2272 ; WT 2272
PROJ: 7.16
SHOT: LITTLE FELLER II ; SMALL BOY
TSHO: SURFACE
SUJO: 2-510-000 ; 4-824-000
TEMP: 41551
TITL: AIRBORNE E-FIELD RADIATION MEASUREMENTS OF ELECTROMAGNETIC PULSE
PHENOMENA, OPERATION SUN BEAM, SHOTS LITTLE FELLER II AND SMALL BOY,
PROJECT OFFICERS REPORT-PROJECT 7.16 (U), 34 P (S)

.block

POR 2272

.endblock

.block

copy: 1 id: 89532-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2273

ABS: From the results obtained under this study it is concluded that: 1.
The solubility of radioactive debris increased with a decrease in pH
and an increase in temperature, but the change was not significant
in the pH and temperature variations for normal drinking water
supplies. 2. The solubility of radioactive debris was not markedly
affected by contact time. Increases in solubility with time were
alleviated by decreases in contamination through radioactive decay.
3. The solubility of radioactive debris was significant enough to
require water demineralization to produce drinking water within the
acceptable one year and one month drinking water tolerance levels.
4. Radioactive debris from surface detonations can be colloidal and
remain in suspension in water for extended periods of time and be
readily transported to downstream water sources. 5.
ABS: Emergency type water purification methods such as filtration through
clay and paper, batch coagulation, filtration through a cellulose
filter disc, and molded filter candles effectively reduced
radioactive contaminants to short range (less than 30 day) drinking
water tolerance levels. Higher removals of activity (approaching 100

percent) were obtained by the addition of an ion exchange process as a post treatment to the above methods. 6. The standard IM-141/PDR-27J Radiacmeter and the CDV-700 meter can be used satisfactorily in the field to qualitatively determine whether water supplies are above or below the drinking water tolerance levels and to assist water point operation relative to adequacy of the operating water decontamination procedures.

ADNO: 420340L
AUTH: LINDSTEN D.C.
CLSS: O
CORP: ARMY/ENGINEER RESEARCH AND DEVELOPMENT LABORATORIES (FORT BELVOIR-VA)
DATE: 6304
DESC: Nuclear Weapon Effects on animals ionizing radiation chronic internal
DESC: Nuclear Weapon Environment radiation decay isotopic half lives
DESC: EXPERIMENTAL
REPN: POR 2273 ; WT 2273
SHOT: JOHNNIE BOY ; SMALLBOY ; LITTLE FELLER-I ; LITTLE FELLER-II
TSHO: SURFACE
SUJO: 2-223-410 ; 3-312-220
TITL: RADIOLOGICAL WATER DECONTAMINATION STUDY, OPERATION SUN BEAM, SHOTS LITTLE FELLER I, II, JOHNNIE BOY, AND SMALL BOY, PROJECT OFFICERS REPORT PROJECT 7.17 (U), 68 P (OUO)

.block

POR 2273

.endblock

.block

copy: 1 id: 89533-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2289
ADNO: 345252
AUTH: CLARK D.E. JR. ; KAWAHARA F.K. ; COBBIN W.C.
CLSS: SRD-1
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CALIFORNIA)
DATE: 6310
DESC: test instruments nuclear radiation fallout debris sampling collectors
DESC: Nuclear Test Simulation Field Programs experiment design fallout radioactivity
DESC: Environmental Conditions at Nuclear Weapon Test Site weather
DESC: Nuclear Weapon Environment Fallout Particles size distribution
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment fallout intensity contours patterns
REPN: POR 2289 ; WT 2289
SHOT: JOHNNIE BOY
TSHO: SURFACE
SUJO: 2-222-300 ; 2-225-100 ; 4-345-000 ; 4-821-000 ; 4-841-000
TEMP: 51373
TITL: FALLOUT SAMPLING AND ANALYSIS RADIATION DOSE RATE AND DOSE HISTORY

AT 16 LOCATIONS, OPERATION SUN BEAM, SHOT JOHNIE BOY, PROJECT
OFFICERS REPORT, PROJECT 2.9 (U), 126 P (SRD)

.block

POR 2289

.endblock

.block

copy: 1 id: 89543-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2292

AUTH: MURPHY H.M. JR. ; ROBISON C.H. ; GRIFFITH R.V.

CLSS: C (DOWN GRADED)

CORP: AIR FORCE SPECIAL WEAPONS CENTER (KIRTLAND AFB, NM)

DATE: 6306

DESC: EXPERIMENTAL

DESC: test instruments nuclear radiation gamma L1

DESC: Nuclear Test Simulation Field Programs experiment design gamma
experiments L1 BUNKERING OF INSTRUMENTS

REPN: POR 2292 ; WT 2292

SHOT: LITTLE FELLER 1 ; LITTLE FELLER 2 ; JOHNIE BOY

TSHO: SURFACE ; UG-VENTED

SUJO: 4-341-000 ; 4-820-400

TEMP: B9208

TITL: OPERATION SUN BEAM, SHOT JOHNIE BOY; INITIAL GAMMA RATE MEASUREMENT
(U), 40 P., (S)

TREE: 651

.block

POR 2292

.endblock

.block

copy: 1 id: 89545-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: R 63-1-105

AUTH: COLGATE S.A.

CLSS: SRD

CONN: W 7405 ENG 48

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)

DATE: 6302

DESC: Nuclear Weapon Phenomenology Fireball Energy Partition Energy
Coupling L1

DESC: THEORY

DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1

SHOT: STARFISH

TSHO: HI-ALT

SUJO: 2-150-000 ; 2-211-000

SYMJ: CONTAINED IN HIGH ALTITUDE NUCLEAR EFFECTS REVIEW 63-1 (U), PP
105126, (SRD)

TITL: PHENOMENOLOGY OF THE MASS MOTION OF A HIGH-ALTITUDE NUCLEAR

EXPLOSION (U), 21 P, (SRD)

.block

R 63-1-105

.endblock

.block

copy: 1 id: 90673-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: R 63-2-43

AUTH: VAN ALLEN J.

CLSS: SRD

CONN: DA 49 146 XZ 078

CORP: STATE UNIVERSITY OF IOWA

DATE: 6308

DESC: Nuclear Weapon Phenomenology High-Altitude injection trapping L1

DESC: EXPERIMENTAL SURVEY

REPN: R 63 2

SHOT: STARFISH

TSHO: HI-ALT

SUJO: 2-217-000

SYMJ: CONTAINED IN DASA DATA CENTER REVIEW R 63-2 (U), PP 43-48, (SRD)

TITL: REMARKS ON THE ARTIFICIAL RADIATION BELT PRODUCED BY THE 9 JULY 62
NUCLEAR DETONATION (STAR FISH) (U), 6 P, (SRD)

.block

R 63-2-43

.endblock

.block

copy: 1 id: 90683-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: R 64-1-27

AUTH: GREENSPAN J.A. ; MCCORMAC B. ; STONE C. ; STINCHCOMB T.

CLSS: SRD

CONN: DA 49 146 XZ 078

CORP: IIT RESEARCH INSTITUTE (CHICAGO-IL)

DATE: 6402

DESC: Nuclear Weapon Environment fallout transport L1

DESC: NEW ZEALAND SAMOA ; EXPERIMENTAL THEORY

DESC: Nuclear Weapon Phenomenology High-Altitude induced airglow
fluorescence L1

DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1

DESC: Nuclear Weapon Environment radiation decay gamma decay L1
STRATOSPHERIC OBSERVATION

REPN: R 64 1

SHOT: STARFISH ; CHECKMATE ; KINGFISH

TSHO: HI-ALT

SUJO: 2-211-000 ; 2-214-000 ; 2-223-420 ; 2-224-200

SYMJ: CONTAINED IN DASA DATA CENTER REVIEW 64-1, PP 27-54, (SRD)

TITL: OPERATION FISH BOWL: DEBRIS DEPOSITION INTO THE SOUTHERN CONJUGATE

REGION (U),27 P, (SRD)

.block

R 64-1-27

.endblock

.block

copy: 1 id: 90690-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: R 64-2-83

AUTH: PANNELL J.H. ; BALSER M. ; HARRIS P.J. ; WARNER J.L. ; WILBUR L.C.

CLSS: SRD

CONN: DA 49 146 XZ 282

CORP: LINCOLN LABORATORY (LEXINGTON-MA)

DATE: 6406

DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise Rates L5

KINGFISH

DESC: PALMYRA I ; EXPERIMENTAL

DESC: Nuclear Weapon Environment Induced Synchrotron Noise L1 VHF

REPN: R 64 2

SHOT: STARFISH ; KINGFISH

TSHO: HI-ALT

SUJO: 2-110-000 ; 2-420-000

SYMJ: CONTAINED IN DASA DATA CENTER REVIEW 64-2 (U), PP 83-95, (SRD)

TITL: SYNCHROTRON RADIATION FROM HIGH-ALTITUDE NUCLEAR DETONATIONS (U), 12 P, (SRD)

.block

R 64-2-83

.endblock

.block

copy: 1 id: 90697-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: R 64-2-96

AUTH: REINHEIMER J.

CLSS: SRD

CONN: DA 49 146 XZ 282

CORP: REPUBLIC AIRCRAFT CORPORATION

DATE: 6406

DESC: Nuclear Weapon Environment Induced Synchrotron Noise L1 VHF

DESC: PALMYRA I ; EXPERIMENTAL

REPN: R 64 2

SHOT: STARFISH

TSHO: HI-ALT

SUJO: 2-420-000

SYMJ: CONTAINED IN DASA DATA CENTER REVIEW 64-2 (U), PP 96-101, (SRD)

TITL: TURBULENT ARGUS RADIATION (U), 5 P, (SRD)

.block

R 64-2-96

.endblock

.block

copy: 1 id: 90698-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: VUF 1005
AUTH: KINGSLEY W.H. ; RARRICK H.L. ; OLIVEIRA R.G. ; COLEMAN D.J. ;
JUSKIEWICZ A.
CLSS: U
CORP: SANDIA CORP. (ALBUQUERQUE, NM)
DATE: 6406
DESC: Nuclear Weapon Test safety L1
DESC: Nuclear Weapon Environment Fallout isotope concentrations L1
DESC: EXPERIMENTAL
REPN: VUF 1005
SHOT: SHOAL
TSHO: UG-CONTAINED
SUJO: 2-223-100 ; 4-856-000
TITL: RADIOLOGICAL SAFETY; PROJECT SHOAL, PROJECT 45.6 (U), 48 P., (U)
.block

VUF 1005

.endblock

.block

copy: 1 id: 91216-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: VUF 1008
ADNO: 607919
AUTH: HULL A.N. ; TITUS R.W. ; MUELLER H.F.
CLSS: U
CORP: U.S. WEATHER BUREAU
DATE: 6406
DESC: SUMMARY
DESC: Nuclear Weapon Test safety L1
DESC: Environmental Conditions at Nuclear Weapon Test Site weather L1
REPN: VUF 1008
SHOT: SHOAL
TSHO: UG CONTAINED
SUJO: 4-841-000 ; 4-856-000
TITL: WEATHER AND SURFACE RADIATION PREDICTION (U), FINAL REPORT 35 P (U)
.block

VUF 1008

.endblock

.block

copy: 1 id: 91218-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: VUF 1009
ADNO: 607953
AUTH: NILES G.W.

CLSS: U
CORP: SOUTHWESTERN RADIOLOGICAL HEALTH LABORATORY (LAS VEGAS-NV)
DATE: 6409
DESC: EXPERIMENTAL TABULAR
DESC: Nuclear Weapon Effects supply food water L1 MILK WATER FALLOUT
DESC: Nuclear Weapon Test safety L1 FALLOUT
REPN: VUF 1009
SHOT: SHOAL
TSHO: UG CONTAINED
SUJO: 3-171-000 ; 4-856-000
TITL: FINAL REPORT OF OFF-SITE SURVEILLANCE (U), 27 P (U)

.block

VUF 1009

.endblock

.block

copy: 1 id: 91219-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: VUF 1020
ADNO: 624496
CLSS: U
CORP: WEATHER BUREAU RESEARCH STATION (LAS VEGAS-NV)
DATE: 6410
DESC: Nuclear Weapon Test safety L1
DESC: Environmental Conditions at Nuclear Weapon Test Site weather L1
DESC: Meteorology L5
DESC: SUMMARY TABULAR
REPN: VUF 1020
SHOT: SALMON
TSHO: UG-CONTAINED
SUJO: 4-841-000 ; 4-856-000 ; 5-500-000
TITL: WEATHER AND SURFACE RADIATION PREDICTION ACTIVITIES, VELA UNIFORM
PROGRAM, PROJECT DRIBBLE, SALMON EVENT, FINAL REPORT (U), 36 P (U)

.block

VUF 1020

.endblock

.block

copy: 1 id: 91228-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: WT 1462
ADNO: 611231
AUTH: BRESLIN A.J. ; LOYSEN P. ; WEINSTEIN M.S.
CLSS: U
CORP: ATOMIC ENERGY COMMISSION (NEW YORK-NY)
DATE: 6308
DESC: Nuclear Weapon Environment radiation decay gamma decay
DESC: Nuclear Weapon Environment radiation decay beta decay
DESC: Nuclear Weapon Environment fallout intensity contours patterns
DESC: test instruments nuclear radiation fallout debris sampling

collectors

DESC: test instruments nuclear radiation gamma
DESC: test instruments nuclear radiation dosimeters radiacs
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation chronic

external

EFFT: LOCAL FALLOUT
REPN: WT 1462
SHOT: SHASTA ; DIABLO ; FIZEAU
TSHO: LOW-ALT
SUJO: 2-223-420 ; 2-223-430 ; 2-225-100 ; 3-312-210 ; 4-341-000 ;
4-345-000 ; 4-346-000
TITL: PROTECTION AGAINST FALLOUT RADIATION IN A SIMPLE STRUCTURE,
OPERATION PLUMBBOB, PROJECT 32.1, REPORT TO THE TEST DIRECTOR (U),
61 P (U)

.block

WT 1462

.endblock

.block

copy: 1 id: 92104-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: WT 1671
ADNO: 431935
AUTH: BAICY E.O. ; BOCK J.K. ; JETER T.R.
CLSS: U
CORP: ARMY/BALLISTIC RESEARCH LABORATORIES (ABERDEEN-MD)
DATE: 6310
DESC: test instruments x-ray effects L1
DESC: test instruments nuclear radiation gamma L1
DESC: test instruments nuclear radiation beta electron beams L1
DESC: EXPLORE 4 %SATELLITE^ ; EXPERIMENTAL
REPN: WT 1671
TSHO: HI-ALT
SUJO: 4-330-000 ; 4-341-000 ; 4-344-000
TITL: CALIBRATION OF EXPLORER IV PROTOTYPE, THE ARGUS EXPERIMENT (U), 79 P
(U)

TREE: 654

.block

WT 1671

.endblock

.block

copy: 1 id: 92227-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: WT 1723
ADNO: 611245
AUTH: CAMERON R.A. ; HUFF P.H.
CLSS: U
CORP: HOLMES + NARVER INC (LOS ANGELES-CA)

DATE: 6312
DESC: Nuclear Weapon Effects structures underground instrument bunkers
gamma and pressure and accelerations
DESC: Nuclear Weapon Environment Ground Shock airblast overpressure
fracture displacement particle velocity
DESC: Nuclear Weapon Effects structures underground tunnels
DESC: EXPERIMENTAL Summary in CEX 68.3
DESC: Nuclear Test Simulation Field Programs experiment design fallout
radioactivity
DESC: test instruments nuclear radiation dosimeters radiacs
EFFT: GROUND SHOCK
REPN: WT 1723
SHOT: MORA ; LEA ; SOCORRO ; Quay ; Vesta ; Rushmore
TSHO: LOW-ALT
SUJO: 2-611-000 ; 2-621-000 ; 3-261-000 ; 3-262-000 ; 3-312-100 ;
4-346-000 ; 4-821-000
TITL: RADIATION SHIELDING AND RESPONSE STUDIES OF AEC TEST STRUCTURES,
OPERATION HARDTACK, PROJECT 34.2 REPORT TO THE SCIENTIFIC DIRECTOR
(U), 57 P (U)

.block

WT 1723

.endblock

.block

copy: 1 id: 92250-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: WT 1817
ADNO: 633875
AUTH: MISKEL J.A. ; BONNER N.A.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6409
DESC: Nuclear Weapon Environment fallout intensity contours patterns
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Fallout isotope concentrations
DESC: Nuclear Weapon Environment fallout fractionation
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra
DESC: Nuclear Weapon Environment fallout down fraction
REPN: WT 1817
SHOT: DANNY BOY
TSHO: UG-VENTED
SUJO: 2-223-100 ; 2-223-200 ; 2-223-500 ; 2-225-100 ; 2-225-200
TITL: DISTRIBUTION OF THE RADIOACTIVITY FROM A NUCLEAR CRATERING
EXPERIMENT, PROJECTDANNY BOY, PROJECT 211, WEAPON TEST REPORT (U),
23 P (U)

.block

WT 1817

.endblock

.block

copy: 1 id: 92260-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: WT 1831
CLSS: U
CORP: WEATHER BUREAU, DEPARTMENT OF COMMERCE (LAS VEGAS, NV)
DATE: 6300
REPN: WT 1831
TITL: WEATHER AND SURFACE RADIATION PREDICTION ACTIVITIES FOR PROJECT
DANNY BOY (U), 28 P., (U)

.block

WT 1831

.endblock

.block

copy: 1 id: 92265-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: WT 1834
ADNO: 633874
AUTH: SHORT N.M.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6403
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Ground Shock craters excavations
REPN: WT 1834
SHOT: DANNY BOY
TSHO: UG-VENTED
SUJO: 2-625-000
TITL: DEFINITION OF TRUE CRATER DIMENSIONS BY POST-SHOT DRILLING, PROJECT
DANNY BOY, WEAPON TEST REPORT (U), 59 P (U)

.block

WT 1834

.endblock

.block

copy: 1 id: 92267-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: WT 2004
ADNO: 345025L
AUTH: JOHNSON L.D. ; FARLOW N.H. ; EGEBERG L.E.
CLSS: SRD
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LAB (SAN FRANCISCO-CA)
DATE: 6306
DESC: test instruments nuclear radiation gamma
DESC: Nuclear Weapon Phenomenology base surge
DESC: Nuclear Test Simulation Field Programs experiment design fallout
radioactivity
DESC: Environmental Conditions at Nuclear Weapon Test Site weather
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra

REPN: WT 2004 ; POR 2004
SHOT: SWORDFISH
TSHO: UW
SUJO: 2-223-200 ; 2-224-120 ; 4-341-000 ; 4-821-000 ; 4-841-000
TEMP: B8786 ; 49123
TTTL: RADIOLOGICAL EFFECTS FROM AN UNDERWATER NUCLEAR EXPLOSION, OPERATION
DOMINIC, SHOT SWORD FISH, PROJECT 2.1, PROJECT OFFICERS REPORT (U),
83 P (SRD)

.block

WT 2004

.endblock

.block

copy: 1 id: 92271-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: WT 2035 1
ADNO: 353785L
AUTH: GAUVIN H.P. ; CAHILL J.P. ; GRENIER J.W. ; SCANLON R.T.
CLSS: SFRD
CORP: AIR FORCE/CAMBRIDGE RESEARCH LABORATORIES (BEDFORD-MA)
DATE: 6409
DESC: EXPERIMENTAL THEORY
DESC: Nuclear Weapon Environment Infrared Output source strength total
intensity L1
DESC: Nuclear weapon test timing position firing data L5 POSITIONING
DESC: test instruments visible L1
DESC: test instruments UV L1
DESC: Nuclear Weapon Environment Visible Output angular distribution L1
DESC: Nuclear Weapon Environment Infrared Output energy spectrum L1
DESC: Nuclear Test Simulation Field Programs experiment design optical
radiation experiments UV visible IR L5
DESC: test instruments IR L1
DESC: Nuclear Weapon Environment Infrared Output rate L1
DESC: Nuclear Weapon Phenomenology High-Altitude debris coupling
distribution energy spectrum L1
DESC: Nuclear Weapon Environment Visible Output source strength total
intensity L1
DESC: Nuclear Weapon Environment Visible Output rate L1
DESC: Nuclear Weapon Phenomenology High-Altitude induced airglow
fluorescence L1

REPN: POR 2035 VOL 1 ; WT 2035 VOL 1
PROJ: 8A.1
SHOT: STARFISH ; CHECKMATE ; TIGHTROPE ; KINGFISH ; BLUEGILL
TSHO: HI-ALT
SUJO: 1-310-000 ; 1-320-000 ; 1-340-000 ; 1-410-000 ; 1-430-000 ;
1-440-000 ; 2-211-000 ; 2-214-000 ; 4-381-000 ; 4-382-000 ;
4-383-000 ; 4-820-600 ; 4-834-000
TEMP: A9958 ; A9151 ; 41415 V.1
TTTL: HIGH-ALTITUDE NUCLEAR DETONATION OPTICAL-INFRARED EFFECTS, OPERATION
DOMINIC, FISH BOWL SERIES, PROJECT OFFICER REPORT, PROJECT 8A.1 (U),
179 P (SFRD)

.block

WT 2035 1

.endblock

.block

copy: 1 id: 92275-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: WT 2035 4

ADNO: 354028L

AUTH: GAUVIN H.P. ; CAHILL J.P. ; GRENIER J.W. ; SCANLON R.T.

CLSS: SRD

CORP: AIR FORCE/CAMBRIDGE RESEARCH LABORATORIES (BEDFORD-MA)

DATE: 6409

DESC: Nuclear Weapon Environment Visible Output source strength total
intensity L1

DESC: Nuclear weapon test timing position firing data L5 POSITIONING

DESC: test instruments IR L1 CALIBRATION

DESC: Nuclear Weapon Environment Infrared Output rate L1

DESC: Nuclear Weapon Environment Infrared Output source strength total
intensity L1

DESC: Nuclear Weapon Phenomenology High-Altitude induced airglow
fluorescence L1

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Environment Visible Output rate L1

DESC: test instruments visible L1 CALIBRATION

DESC: Nuclear Test Simulation Field Programs experiment design optical
radiation experiments UV visible IR L5 AIRCRAFT POSITIONING

REPN: POR 2035 VOL 4 ; WT 2035 VOL 4

PROJ: 8A.1

SHOT: STARFISH ; CHECKMATE ; BLUEGILL ; KINGFISH ; TIGHTROPE

TSHO: HI-ALT

SUJO: 1-310-000 ; 1-340-000 ; 1-410-000 ; 1-440-000 ; 2-214-000 ;
4-382-000 ; 4-383-000 ; 4-820-600 ; 4-834-000

TEMP: A9957 ; 41690

TITL: HIGH-ALTITUDE NUCLEAR DETONATION OPTICAL-INFRARED EFFECTS, OPERATION
DOMINIC, FISH BOWL SERIES, PROJECT OFFICERS REPORT, PROJECT 8A.1
(U), 370 P (SRD)

.block

WT 2035 4

.endblock

.block

copy: 1 id: 92278-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: WT 2036 1

ADNO: 354454L

AUTH: HANSEN D.F. ; SHULER M.P. JR. ; WYCKOFF C.W. ; BOQUIST W.P. ;
CAMPBELL J.H. ; FOREMAN W.T. ; HETLEY G.H. JR.

CLSS: SRD

CORP: EG&G INCORPORATED (BOSTON-MA)

DATE: 6410

DESC: test instruments visible L1 CAMERAS SPECTROGRAPHS
DESC: Nuclear Test Simulation Field Programs experiment design photography
L5
DESC: Nuclear Test Simulation Field Programs experiment design optical
radiation experiments UV visible IR L5
DESC: LONG RANGE OBSERVATION ; JOHNSTON I MAUNA LOA (HAWAII) SAMOA TONGA I
FIJI I KC-135-60376 (AIRCRAFT) KC-135-53114 (AIRCRAFT) ;
EXPERIMENTAL
REPN: POR 2036 VOL 1 ; WT 2036 VOL 1
PROJ: 62fb08A.2 ; DASIAC holds camera original and print film (see DASIAC
film catalog) also logs and geometric information but not film
calibration information e.g. H and D curves
SHOT: BLUEGILL ; CHECKMATE ; KINGFISH ; STARFISH ; TIGHTROPE
TSHO: HI-ALT
SUJO: 4-382-000 ; 4-820-600 ; 4-826-000
TEMP: B9049 V.1 ; 41834 V.1 ; 41828 V.1
TITL: OPTICAL PHENOMENOLOGY OF HIGH-ALTITUDE NUCLEAR DETONATIONS,
OPERATION DOMINIC, FISH BOWL SERIES, PROJECT OFFICERS REPORT, PROJECT
8A.2, VOLUME 1 (U), 383 P (SRD)

.block

WT 2036 1

.endblock

.block

copy: 1 id: 92279-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: WT 2056

AUTH: WATT B.E.

CLSS: SFRD 1

CORP: LOS ALAMOS SCIENTIFIC LABORATORY (LOS ALAMOS-NM) ; JOINT TASK FORCE
EIGHT (WASHINGTON-D.C.)

DATE: 6404

DESC: Radiation Transport visible L1

DESC: Nuclear Weapon Environment Visible Output source strength total
intensity L1

DESC: LONG RANGE OBSERVATION TROPOSPHERIC OBSERVATION ; EXPERIMENTAL

DESC: Nuclear Weapon Environment Visible Output rate L1

DESC: Nuclear Test Simulation Field Programs experiment design optical
radiation experiments UV visible IR L5

DESC: Emission Spectra of the Atmosphere L1

DESC: Absorption Spectrum Transmission Opacity of Natural Heated Air L1

REPN: WT 2056

PROJ: 16.4

SHOT: TRUCKEE ; HARLEM

TSHO: LOW-ALT

SUJO: 1-410-000 ; 1-440-000 ; 4-820-600 ; 5-200-000 ; 5-600-000 ;
9-630-000

TEMP: B8820 ; 43642

TITL: BOMB LIGHT SCATTERING ON THE UPPER ATMOSPHERE, OPERATION DOMINIC,
CHRISTMAS ISLAND, APRIL-MAY 1962, PROJECT 16.4 (U), 107 P (SFRD)

.block

WT 2056

.endblock

.block

copy: 1 id: 92284-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock